

NC DIVISION OF MARINE FISHERIES
COMPUTERIZED BIOLOGICAL MONITORING
DATABASE: SYSTEM DESCRIPTION
AND USER'S MANUAL

CEIP REPORT NO. 22

1984

SH
222
.N8
E6
1984

THE NORTH CAROLINA DIVISION OF MARINE FISHERIES
COMPUTERIZED BIOLOGICAL MONITORING DATABASE:
SYSTEM DESCRIPTION AND USER'S MANUAL

BY

Sheryan P. Epperly

North Carolina Department of Natural Resources

and Community Development

Division of Marine Fisheries

Morehead City, N.C. 28557

The preparation of this report was financed through a Coastal Energy Impact Program grant provided by the North Carolina Coastal Management Program, through funds provided by the Coastal Zone Management Act of 1972, as amended, which is administered by the Office of Coastal Zone Management, National Oceanic and Atmospheric Administration. This CEIP grant was part of NOAA grant NA-79-AA-D-CZ097.

SH 222.N8 E6 1984

This manual is printed in loose-leaf format to accommodate updates.
If you wish to receive these updates please complete the form below and
mail to:

NC Division of Marine Fisheries
License and Data Management Section
P. O. Box 769
Morehead City, NC 28557

I would like to receive updates to the System Description and
User's Manual of The North Carolina Division of Marine Fisheries
Computerized Biological Monitoring Database.

NAME _____

ADDRESS _____

CITY _____

STATE _____ ZIP CODE _____

PHONE _____

ACKNOWLEDGEMENTS

I would like to acknowledge the following people for their roles in creating a computerized Marine Fisheries database: Elaine Barber, Lisa Boddie, Nancy Brown, Dan Clark, Louise Davis, Bruce Garner, Larry Leis, Diane Nichols, Jim Smith, Michael Street and Katy West. Fisheries Management Section personnel were responsible for the collection of the data. Margaret Stafford and Sharon Sanchez typed the manuscript.

Trade names cited herein do not imply endorsement by the North Carolina Department of Natural Resources and Community Development, Division of Marine Fisheries.

TABLE OF CONTENTS

	<u>Page</u>
ACKNOWLEDGEMENTS.	1
INTRODUCTION.	1
FILE STRUCTURE.	1
DATA ENTRY.	3
UPDATING THE MASTER FILE.	4
Transaction Pre-edits.	5
Transaction Edits.	6
File Structure Edits	7
AUDIT TRAILS.	9
DISASTER RECOVERY	9
REFERENCES.	10
 APPENDICES	
Appendix A "A Description of Instructions and Procedures for the Preparation of Forms for the Division of Marine Fisheries Data System"	
Appendix B-1 COMM-STOR III configuration parameters used for data entry	
B-2 Layout files and attribute information for BIOFORM 00-08	
B-3 Directory for data entry diskette	
B-4 Allowable entry and substitution files	
Appendix C-1 Outputs from the update program	
C-2 a. Layout of environmental pre-load table b. JCL to compile a revised environmental pre-load	
C-3 Allowable entries for gear in each program	
C-4 COBOL update program and JCL to execute it	

THE DIVISION OF MARINE FISHERIES
COMPUTERIZED BIOLOGICAL MONITORING
DATABASE

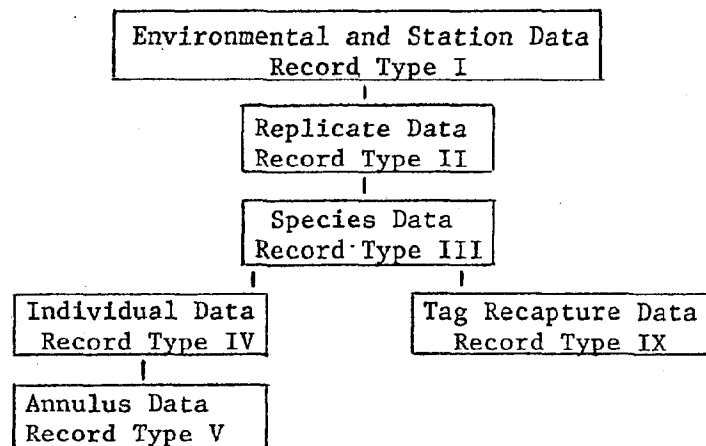
INTRODUCTION

The North Carolina Division of Marine Fisheries (DMF) began computerizing its biological monitoring data in spring 1981. Through the Management Information Services Division (MISD) of the North Carolina Department of Administration, file structure and edit/update procedures were developed. Forms were created on which all DMF data could be coded/transcribed, and a manual was written to describe the proper procedures in coding these forms. The manual, entitled "A Description of Instructions and Procedures for the Preparation of Forms for the Division of Marine Fisheries Data System", should be used as a reference when reading this report; it is included as Appendix A. Revisions will be made as they are needed at all stages of the computerization process, from coding to updating and editing. This report details the biological monitoring computerized database for the DMF.

Prior to the initiation of the computerized fisheries database in 1981, isolated DMF data had been digitized. Data from the station logs of the vessel R/V DAN MOORE and biological samples taken from the commercial anadromous fisheries prior to 1979 had been computerized. In 1982 these files were duplicated and the tapes archived. Neither database is being maintained, but both databases will be reentered into the Division's overall biological monitoring database. Statistical data on the landings of North Carolina's commercial fisheries are being digitized through a cooperative state and federal agreement. These data constitute a separate database which is not addressed in this report.

FILE STRUCTURE

The basic file structure is hierarchial and composed of six record types:



Control information is the combination of fields that is unique to a collection and the records contained in that collection. It is these fields that enables several records from a collection to be linked. Information contained on a given record type applies to all following records in the hierarchy (if the records have the same control information). Control fields for the database record take the form shown below. Data always begin in position 25.

Format and Position of Control Information Fields in the Database		
Control information field	Number of bytes	Position relative to the first
RECORD TYPE	1	1
SEQUENCE NUMBER	7	2-8
REPLICATE NUMBER	2	9-10
SPECIES CODE	10	11-12
SPECIES STATUS	1	21
LINE NUMBER	21	22-24

The first record type, The Environmental and Station Record, contains the overall collection data such as location, environmental parameters and collection effort information. Each record type I is given a SEQUENCE NUMBER which is prefixed by the last two digits of the collection year (e.g. 8200001). This constitutes the second field of the control information and appears in the same position on each record type associated with that collection. The first field of the control information identifies the RECORD TYPE.

The second record type contains replicate information. This record identifies the size of the collection and sample. More than one replicate (record type II) may be associated with an Environmental and Station Record. Within a collection, Replicate Records are numbered from 01 and increased sequentially by one. Replicate 00 is reserved for special uses, such as observed occurrences of species not indicated in the sample. These REPLICATE NUMBERS are the third field of the control information. All record types II-V, and IX have a replicate identification.

Species Records, record type IIIs, contain information on a given species, or size class of a species collected in a replicate sample. The total number and weight collected, sampled and subsampled are indicated. A phylogenetic ten digit SPECIES code developed by the National Oceanographic Data Center (1981) and a one digit code indicating the SPECIES STATUS (size class) constitute the fourth and

fifth fields of the control information. All record types III-V, and IX give a SPECIES and SPECIES STATUS identification.

Individual and Annulus Records, record types IV and V, give information on an individual(s) of a species. Individual Records give information on size, age, reproductive stage, etc. of an individual member of a species. Each record type IV is given a number; these LINE NUMBERS are the last field of the control information. If an individual is aged and distance to annulus measurements are taken, Annulus Records, record type Vs, contain these measurements. The control field LINE NUMBER, which also appears on the record type V, is used to link the two records for the same individual, i.e. they have the same LINE NUMBER.

Tag Recapture Records, record type IXs, contain data for every tagged individual that has been recaptured. Such data are RECAPTURE DATE, LOCATION, GEAR, etc. Each Tag Recapture Record is stored with the collection in which the tagged individual was released. Each record type IX of a collection is numbered sequentially. Where applicable, the Tag Recapture Record can be merged programatically with a record type IV or V using TAG NUMBER which is a key field stored on both records.

Using the control information, all records for a collection can be linked from the hierarchical file. Flat records (a single record that contains data from various levels of the hierarchy) can be created easily with EASYTRIEVE (1980) or SAS (1982).¹ The control information forms the basic structural key for the entire master file. Actions on that master file use the control information for the identification of a record. The first field of each keyentered record, a transaction, is the ACTION FIELD. By inserting the proper code (A-add, C-change, D-delete), the master file can be manipulated. ACTION FIELD is not retained in the record once it is stored on the master file.

DATA ENTRY

Keyentry of the Division of Marine Fisheries biological monitoring data utilizes a dual-drive Sykes Datatronics Comm-Stor III flexible diskette unit and an OMRON 8025A cathode ray tube (CRT). The diskette unit uses an eight inch single side, single density, soft sector diskette. Parameters within the Comm-Stor must be set to ensure compatibility of the two units and to define data entry specifications. These parameters are listed in Appendix B-1.

Form pages are created through the Comm-Stor's forms generation process. The layout file, a "picture" of the page as it is to appear on the CRT during data entry, is created and later incorporated into the form during the generation process; editing attributes are assigned to each field on a page during the generation process. The form created for entry of the biological monitoring data (BIOFORM) consists of eight pages. The variable fields on BIOFORM pages 01-05 and 08 correspond to

¹ EASYTRIEVE and SAS are user oriented computer software systems frequently used for data summary and analysis.

the fields on record types I-V and IX as described in the DMF forms preparation manual (Appendix A). BIOFORM pages 06 and 07 are abbreviated versions of record type IVs; these pages enable entry of multiple record type IVx on one form page.

Menus appear at the bottom of each page allowing the operator to select the next page. Linkage and dynamic storage information for the form pages are contained in the non-viewable page BIOFORM 00 which is created automatically in the form generation process. Layouts and attribute information for BIOFORM pages 00-08, the directory for the data entry diskette, and the allowable entry and substitution files are contained in Appendices B-2 through B-4.

Each biological collection is stored as a unique file on the diskette. Each record or transaction in this file is 128 characters in length. On each diskette the files are numbered from zero to eighteen and prefixed by the file name "NER.NM.NM100-". Every collection entered is logged into a data entry ledger. The file name, diskette number and comments are also recorded. The Sykes IBM 3740 Format Program is used to read the ASCII characters stored on the data entry diskette, translate them to EBCDIC characters and store the EBCDIC data on a second diskette.² The EBCDIC diskettes are sent to the State Computer Center in Raleigh to update the master file.

UPDATING THE MASTER FILE

Five generations of the master file are stored in the tape library at the State Computer Center (SCC) in Raleigh. The most recent generation is catalogued under the name "NER.NM.NM100-1".

Transaction diskettes are submitted weekly to the SCC where they are read on an IBM 3740; the data are stored on a temporary tape. The job control language (JCL)³ stored under the Time Sharing (TSO)⁴ member "NM100UPD" accesses the most recent master file generation and the temporary transaction data tape and then executes the COBOL⁵ update program.

² ASCII and EBCDIC are standardized binary codes for representing upper and lower case letters, numbers, symbols, punctuation marks, etc. Standardized by the industry, ASCII is the code used by many computers and terminals, including Comm-Stor III. The State Computer Center, however, has a mainframe IBM computer which uses the EBCDIC code.

³ Job control language (JCL) is used by the computer controller to interpret instructions and generate commands to other parts of the computer.

⁴ TSO is a time sharing system that lets you use the facilities of a computer at a terminal. In the context of this report a TSO member is a data file in a partitioned data set that is accessed through TSO.

⁵ COBOL is a programming language designed specifically for business and data processing applications.

The COBOL update program reads each transaction, pre-edits the transaction file and then sorts it. The program performs the appropriate action (add, change or delete) on the master file and reformats the record to a length of 150 characters. The date of processing is added to each record and stored in position 143-150. It has the format of YY/MM/DD. Validity and structural checks are then made. The master file is sorted according to the control information. After the update program is executed the previous master file is uncatalogued and the recently created file is then catalogued.

Output from the update process has the following four parts (illustrated in Appendix C-1):

1. A list of the action taken on each transaction record read in the update process, giving the control information and the first 45 characters of the data.
2. A list of all edit error warnings.
3. A list of all structural errors in the master file.
4. A printout of every transaction record submitted.

Several edits occur during the update process. Following is a description of the edits.

Transaction Pre-edits

1. Record types VI and VII (entered on BIOFORM-06 and BIOFORM-07 data entry screens) allow for multiple entries of record type IVs on one data entry screen. A pre-edit routine creates separate record type IVs for each entry made on BIOFORM 06 and 07 screens.
2. Leading spaces in the following fields are zero filled: NUMBER OF RECORD TYPE III'S, COLLECTION NO., COLLECTION WT., SAMPLE NO., SAMPLE WT., SUBSAMPLE NO., SUBSAMPLE WT., FREQUENCY, LENGTH, AGE, NO. OF SPAWNING MARKS, DISTANCE TO EDGE, and DISTANCE TO ANNULUS MEASUREMENTS. If GEAR does not have an exact length of three digits, the field is replaced with three zeros.
3. A transaction record key consisting of PROGRAM TYPE, STARTING LOCATION and STATION NUMBER is checked against a pre-edit table. The table stored in a TSO member "NMENVTAB" is maintained in key sequence order and contains substitution information for DURATION OR AREA, GEAR, GEAR PARM #1, GEAR PARM #2, GEAR PARM #3, RIC, TYPE OF TOW, SEDIMENT SIZE, BOTTOM COMPOSITION, BOTTOM PROFILE, DEPTH, and ALTERATION STATE. During the pre-edit process, table values are inserted into blank fields of record type I. If a value exists in the field on the transaction record, that value takes precedence. Only data from collections made since 1982 are processed against this table. As the table is revised, the update program is compiled to incorporate the revised table. The layout of the table is given in Appendix B-2.

Transaction Edits (Validity Checks)

1. The first two digits of SEQUENCE NUMBER must be the same as YEAR.
2. The MONTH and DAY subfields of DATE are edited:
 01<MONTH<12 and 01<DAY<31
3. For programs 700-799, GRID subfields should be digit-digit-alpha-alpha.
4. a) For Programs 700-799
 2500000000<STARTING LOCATION<4000000000
 b) For Programs 000-699 and Programs 800-999
 0000000000<STARTING LOCATION<2300000000
 or 5000000000<STARTING LOCATION<7500000000
5. STATION is checked to determine if it is an allowable entry for the value of STARTING LOCATION if PROGRAM is not 400-499, 700-799, 920 or 930. Appendix B of the DMF forms preparation manual and TSO member "MFSITES" contain allowable entries.
6. GEAR is checked to determine if it is an allowable entry for the value of PROGRAM. These allowable entries are given in Appendix C-3. GEAR is zero filled if it is blank or not numeric on the transaction record.
7. If GEAR = 000 then DURATION OR AREA must be blank.
8. If NUMBER OF REPLICATES = 00 then GEAR must = 000.
9. SAMPLE SIZE must not exceed COLLECTION SIZE. (999999 indicates a missing value).
10. SPECIES is checked to determine if it is an allowable entry. The abridged Appendix G of the DMF forms preparation manual and TSO member "MFSPP" contain allowable entries.
11. a) COLLECTION NO.>SAMPLE NO.>SUBSAMPLE NO. (99999 indicates a missing value.)
 b) COLLECTION WT.>SAMPLE WT.>SUBSAMPLE WT. (999999 indicates a missing value.)
12. If FORM OF RECORD TYPE IV equals:
 - 0 or 5 There should be no corresponding record type IVs.
 - 1 or 2 The only data fields completed on the corresponding record type IVs should be FREQUENCY and LENGTH.
 - 3 The value of LENGTH on the record type IV with LINE NUMBER = 001 should be less than the value of LENGTH on the record Type IV with LINE NUMBER = 002. The FREQUENCY of each LENGTH should equal one.

4 or 7 Data besides FREQUENCY and LENGTH should be recorded on at least one corresponding record type IV.

5 Replicate must be 00.

13. LENGTH will be checked against a table containing a range of allowable lengths for each SPECIES. This table will be given in Appendix C-5.
14. TAG TYPE (X) and TAG NUMBER (X) must either both be blank or both be coded. When both are coded TAG TYPE must be an alpha character and NUMBER TAGGED must be digits.
15. The sum of NUMBER TAGGED (1) and NUMBER TAGGED (2) should be less than or equal to SAMPLE NUMBER.
16. The combination of the first two positions of TAG NUMBER must be nonnumeric. The remaining four bytes must be digits. The field must have an exact length of 6 bytes if coded.
17. If TAG NUMBER is coded on a record type IV, $1 \leq \text{STATUS} \leq 3$.
18. If AGE STATUS equals zero or is blank, then AGED STRUCTURE, AGE and NUMBER OF SPAWNING MARKS must be blank.
19. If AGED STRUCTURE is blank, then AGE STATUS must equal zero or be blank and AGE and NUMBER OF SPAWNING MARKS must be blank.
20. If AGE or NUMBER OF SPAWNING MARKS is not blank, then AGE STATUS and AGED STRUCTURE must be greater than zero.
21. If AGE STATUS EQUALS:
 - 1 Age must be recorded.
 - 2 AGE must be recorded and a record type V must exist for that control datum.
 - 3 AGE and NUMBER OF SPAWNING MARKS must be blank and AGED STRUCTURE must be coded.
22. AGE stored on record type V for an individual must be the same value as stored in AGE on the corresponding record type IV.
23. SPAWNING MARKS stored on record type V for an individual must be the same value as stored in SPAWNING MARKS on the corresponding record type IV.
24. If a record type V is present, AGE STATUS must equal two on the corresponding record type IV.
25. The number of DISTANCE TO ANNULUS measurements should not exceed the value of AGE.

26. If *i* is the number of distance to annulus measurements given, then
 - a) DISTANCE TO EDGE should equal MARGINAL INCREMENT plus DISTANCE TO *i*th ANNULUS. If not coded, MARGINAL INCREMENT is calculated and written to the file.
 - b) DISTANCE TO EDGE>DISTANCE TO *i*th ANNULUS>DISTANCE TO *i*-1 ANNULUS>DISTANCE TO *i*-2 ANNULUS. . .>DISTANCE TO FIRST ANNULUS.
27. RECAPTURE DATE if coded, must be later than DATE, have an exact length of 6 digits and be in the format of YYMMDD. The YEAR, MONTH and DAY subfields of RECAPTURE DATE, are edited:

70<YEAR<85, 01<MONTH<12 and 01<DAY<31.

28. If coded, DAYS OUT must be the number of days elapsed between DATE and RECAPTURE DATE. DAYS OUT must be blank if RECAPTURE DATE is not a valid entry in the format of YYMMDD.
29. Within a collection, TAG NUMBER may not be repeated across LINE NUMBERS.

File Structure Edits

1. The control information of a transaction record is checked against those records on the master file. If a record exists on the master file with the same control information and ACTION FIELD of the transaction is 'change', then the transaction record is substituted for the master file record. A transaction record is added to the master file only if another record with the same unique control information is not already stored. Similarly, a record is deleted from the master file only if the control information of an appropriately coded transaction record matches exactly the control information of a record on the master file.
2. The actual number of record type IIs for unique control information should be the same as the value for NO. OF REPLICATES.
3. The actual number of record type IIIs for unique control information should be the same as the value for NO. OF RECORD TYPE IIIs.
4. The actual number of record type IVs for unique control information is determined on the basis of FORM OF RECORD TYPE IV. If FORM OF RECORD TYPE IV equals:
 - 0 or 5 There should be no corresponding record type IV or V.
 - 1,2,3,4 or 7 The sum of values for FREQUENCY on the record type IVs should equal SUBSAMPLE NO. on the corresponding record type III. If FORM OF RECORD TYPE IV equals 3 then there must be only two record type IVs with the LINE NUMBERS OF 001 and 002, each with a FREQUENCY=1.

5. LINE NUMBER must be sequential for record types IV and IX with no missing intermediate numbers.
6. If the value of AGE STATUS is equal to two, a corresponding record type V should occur.
7. Within a collection, the number of record type IXs of a given TAG TYPE must be less than or equal to the NUMBER TAGGED indicated for that TAG TYPE on the record type III.

The COBOL update program and the JCL to run it are given in Appendix C-5.

AUDIT TRAILS

Errors may occur in the control information fields, data fields or in the structure of the file. Errors in the control information fields can be corrected only by deleting each of the erroneous records and adding the correct records to the file. Errors in the data fields may be found through validity checks in the update process or through subsequent structural errors caused by the incorrect information. Entering the record correctly and indicating "change" in the action field corrects these errors.

Update reports are examined for errors. The reports are first checked to ensure that every collection logged into the data entry ledger was acted upon. The printouts are then examined for edit error warnings and indications of file structure errors. Each error is registered, the data sheets are examined and a list of corrections is made. The fourth report, a listing of every transaction submitted, is examined to ensure that the Latin names on the printout match the species names on the data sheets. The report is examined, also, by the individuals responsible for the data collection. Corrections are recorded on the printout and submitted for keyentry. Corrections are keyentered and submitted with other diskettes.

DISASTER RECOVERY

The third generation of the master file is placed in the fireproof vault at the State Computer Center. Diskettes containing the data needed to update the third generation to the catalogued NER.NM.NM100-1 (the most recent generation) are held in the Morehead City office. Should generations one and two be damaged, the diskettes necessary for complete updating of the third generation are available. When normal updating of the master file occurs, those diskettes that are no longer needed as backups are recycled through the data entry process. Copies of the diskettes containing the data entry form information and Comm-Stor III configuration parameters are stored in a fire proof filing cabinet in the Division of Marine Fisheries warehouse building.

REFERENCES

1980. EASYTRIEVE Reference Manual. Version 8.2. Pansophic Systems, Inc., Oak Brook, Illinois.

1982. SAS User's Guide: Basics, 1982 Edition. SAS Institute, Inc., Cary, N.C.

National Oceanographic Data Center. 1981. NODC Taxonomic Code. Third Edition. National Oceanic and Atmospheric Administration, Washington, D.C.

A DESCRIPTION OF INSTRUCTIONS AND PROCEDURES
FOR THE PREPARATION OF FORMS FOR
THE DIVISION OF MARINE FISHERIES DATA SYSTEM

Sheryan Epperly

March 1984

TABLE OF CONTENTS

Introduction	1
Environmental and Station Data	2
Replicate Data	6
Species Data	8
Individual Data	11
Annulus Data	14
Tag Recapture Data	16

Appendices:

- A. Program Codes
- B. Location Codes
- C. Gear Codes
- D. Bottom Type Codes
- E. Water Level or Sea State Codes
- F. Alteration and Fishing Activity Codes
- G. Species Codes
- J. Tag Codes

INTRODUCTION

The contents of this manual outline the procedures to code all Division data into a common format. We have attempted to make the format as general as possible and accommodate all projects. Each program should develop a documentation. Some fields are critical and their completion is mandatory; these are denoted by dark blocks. All fields should be right justified except where noted. Only those fields blocked off will be entered into the computer. The free form fields are provided to record information but this data will not be stored.

RECORD TYPE I: ENVIRONMENTAL AND STATION DATA

This form is used by all projects to record environmental data, station location and collection effort data. Code the form as follows:

COLUMNS	FIELD TITLE	DESCRIPTION
3-9	Sequence Number	This number will be coded by keyentry personnel. Each collection will be assigned a number to aid in file maintenance. THIS FIELD WILL ALWAYS BE CODED.
26-28	Program	Each type of study has a different program. See Appendix A. THIS FIELD MUST BE CODED.
29-34	Date (YYMMDD)	Record the two-digit numerical code for year, month and day. THIS FIELD MUST BE CODED.
35-39	Station Number	This field can be used by all programs which regularly survey the same location or sequentially order collections. For example, this could be a DAN MOORE station number, a shellfish plant number, a fish house number, a juvenile program station number, etc. The use or non-use of this field must be consistent with each program.
40-49	Starting Location	Programs not utilizing global coordinates will record locations according to a nested area-subareas design. See Appendix B. Primary codes are recorded in the first two spaces of the starting location field, secondary codes in the next two, tertiary codes in the next two, etc. Some programs will record latitude and longitude for their station positions. THIS FIELD MUST BE CODED.
50-53	Grid	Only those programs using their own grid, strata, or zone system need code this field.
54	Quadrant	This is a field to be used if the above grids are further divided. For the Dan Moore programs:

NW 1 2 NE
SW 4 3 SE

RECORD TYPE I: ENVIRONMENTAL AND STATE DATA (continued)

COLUMNS	FIELD TITLE	DESCRIPTION
55-58	Time	Record the time of day (on a 24-hour clock) when the gear completed sampling. Follow standard (sun) time.
59-62	Duration or Area Sampled	Period of time, in minutes, over which the gear sampled. Lines are provided to calculate this amount from the beginning and ending time. This field may be used, instead, to record the area sampled when time is not applicable. However, the use of this field must be consistent within each program.
63-65	Gear	Each unique gear has a code. See Appendix C. THIS FIELD MUST BE CODED. Record unknown gear as 999. When no gear is used code it as "000".
66-69	Gear Parameter #1	Gear parameters are used to describe the designated gear type. Examples are headrope length, body mesh size and tailbag mesh size. Appendix C lists the order in which these parameters are to be coded for each gear type. A decimal, if needed must be coded into one of the columns. Gears which cannot be described in three parameters must have a unique gear code.
70-73	Gear Parameter #2	
74-77	Gear Parameter #3	
78	Rig	Gear: 1. singlerigged 2. doublerigged, two barrel 3. doublerigged, four barrel 4. 5. pushed 6. detached fishing gear, set 7. detached fishing gear, drift 8. weighted 9. towed between two boats
79	Type of Tow	1. surface 2. midwater 3. bottom 4. oblique

RECORD TYPE I: ENVIRONMENTAL AND STATION DATA (continued)

COLUMNS	FIELD TITLE	DESCRIPTION
80	Size Composition of Sediment	Bottom types can be recorded according to Appendix D.
81	General Bottom Composition	
82	Bottom Profile	<p>Few programs record information regarding bottom profile, but others are contemplating collection of such data. Codes are:</p> <ol style="list-style-type: none"> 1. level regular 2. sloping regular 3. level moderately irregular 4. sloping moderately irregular 5. level highly irregular 6. sloping highly irregular <p>"Sloping" denotes 10% change in depth over station.</p>
83-85	Depth	Record average depth of water in meters. If needed, a decimal is coded in one of the columns.
86-88	Air Temperature ($^{\circ}\text{C}$)	
89-91	Surface Temperature ($^{\circ}\text{C}$)	
92-94	Bottom Temperature ($^{\circ}\text{C}$)	
95-97	Surface Salinity ($^{\circ}/\text{oo}$)	
98-100	Bottom Salinity ($^{\circ}/\text{oo}$)	
101-104	Variable Field #1	Conductivity, for example
105-107	Surface Dissolved Oxygen (ppm)	
108-110	Bottom Dissolved Oxygen (ppm)	
111-112	pH	
113	Weather Element	<p>Record percent cloud cover to nearest 25% as follows or record weather condition if cover is 100%.</p> <ol style="list-style-type: none"> 1. clear skies 2. one-quarter cover (25%) 3. one-half cover (50%)

RECORD TYPE I: ENVIRONMENTAL AND STATION DATA (continued)

COLUMNS	FIELD TITLE	DESCRIPTION
		4. three-quarter cover (75%) 5. one hundred percent cover 6. haze 7. fog 8. precipitation 9. snow
114-117	Variable Field #2	Barometer, for example
118	Wind Direction	Record the direction FROM which the wind is blowing. N=1 8=NW NE=2 7=W E=3 6=SW SE=4 S=5
119-120	Wind Speed (knots)	
121	Current Direction	Record the direction TO which the current is flowing according to the codes given under WIND DIRECTION.
122-123	Current Speed (knots)	
124	Water Level	This is more applicable in areas of tidal influence but may be applicable to nearly all programs. This field can also be used to record sea state. See Appendix E.
125	State of Alteration	Record the alteration state of the sampling site. See Appendix F.
126	Allowed Fishing Activity	See Appendix F.
127-128	Number of Replicates	This should correspond to the number of TYPE II records to follow. THIS FIELD MUST BE CODED.

RECORD TYPE II: REPLICATE DATA

Type II records are replicate data. Usually, each effort or unit sample will have one TYPE II record. Unless the sampling is species specific, the variables on this record are to include all species. Information taken on species outside the collection or sample unit are to be recorded under Replicate Number = 00; that replicate is to be included in the count of replicates which is recorded on Record Type I under NUMBER OF REPLICATES. ALL FIELDS ON THIS RECORD TYPE MUST BE COMPLETED. If any fields are unknown or not applicable, code the field with "9's" (a right adjusted ".") can serve as a shorthand symbol indicating a field to be filled with "9's"). All weights are in metric units (kg). One pound = 0.454 kilogram.

COLUMNS	FIELD TITLE	DESCRIPTION
10-11	Replicate Number	A replicate is: 1) a collection effort or a group of collection efforts depending on whether the data for the individual efforts are pooled. If the data are not pooled, each effort is given a unique replicate number. For example, a trawl is a collection effort. or 2) a unit sample of a collection effort or a group of collection efforts. For example, a fish box or fish basket sample of a collection is a unit sample. Each unit sample is given a unique replicate number.
26-30	Collection Size	Record the size of the collection. This is the total amount for all in the collection effort. For example, the size of a catch would be recorded here. If there is no catch, record this field as zero. The sum of Collection Number or Collection Weight, whichever is applicable, across all Type III records associated with the replicate should equal the value coded in Collection Size. Program 610 can use this field to record the size of the piece of cultch. Program 615 can use this field to record the total number of kilos taken.

RECORD TYPE II: REPLICATE DATA (continued)

COLUMNS	FIELD TITLE	DESCRIPTION
31-35	Sample Size	Record the size taken for sampling from this replicate. The units must be the same as for COLLECTION SIZE; often this will be the same as COLLECTION SIZE. For example, the size of a fish basket or box sample of catch would be recorded here. The sum of Sample Number or Sample Weight, whichever is applicable, across all Type III records associated with the replicate should equal the value coded in Sample Size. If there is no catch, record zero. Program 615 can use this field to record the number of kilos with live or recently dead spat.
36-37	Number of Type III Records	This is the total number of Type III records associated with the given replicate.
38	Quality	<p>Quality is important when analyzing data. Occasionally, problems may be incurred at a station limiting the use of the data taken. Record this field as follows:</p> <ul style="list-style-type: none"> 0 good sample 1 problems incurred but can be used quantitatively 2 problems incurred but can be used qualitatively 3 species list incomplete but existing data can be used quantitatively 4 species list incomplete but existing data can be used qualitatively 6 species have been processed <p>This field left blank will be interpreted to mean a good sample ('0').</p>
39-128	F111	

RECORD TYPE III: SPECIES DATA

All fields except tagging related fields MUST BE RECORDED; otherwise fill field with "9's" (or "."). For qualitative estimates of abundances use:

99995 for tens of individuals
 99996 for hundreds of individuals
 99997 for thousands of individuals
 99999 for an unknown number of individuals

These numbers should be entered in the fields Collection Number, Sample Number and Subsample Number when applicable. Record all weights in metric units (kg). One pound = 0.454 kilogram.

COLUMNS	FIELD TITLE	DESCRIPTION
10-11	Replicate	This corresponds to the replicate number of columns 10-11 for the record type II. For species observed but not sampled record replicate as zero.

12-21	Species	<p>This is a hierarchal code for the species. The general basis for this code is:</p> <p style="text-align: center;">/ / / / /</p> <p>Class Order Family Genus Species</p>
-------	---------	--

For example, flounders of the genus Paralichthys would be recorded as 8857030300. However, if a species is positively identified as P. albigutta it would be recorded as 8857030302. If only the family could be determined, it would be recorded as 8857030000.

22	Species Status	<p>Occasionally a species must be entered on a Record Type III more than once for a given replicate. If all data for a species is pooled, use Status = 0 (0 will be substituted for a blank in this position). If data are separated by size classes, assign each size class ascending values of status beginning with 1 for the smallest size class. For a given Sequence Number, the assignment of</p>
----	----------------	--

RECORD TYPE III: SPECIES DATA (continued)

		species status, by size, must be consistent. For example, fish graded as jumbo must have the same Species Status regardless of which replicate (fish box) it may have occurred. Program 615 will record live spat as 1 and recently dead spat as 2, whenever dead spat are noted.
26-30	Collection Number	Record total number of individuals of the species in the replicate collection. The value must be a whole number.
31-36	Collection Weight	Record the total weight (kg) of the species in the replicate collection.
37-41	Sample Number	This is the total number of the given species in the replicate sample (not replicate collection unless they are the same). If the entire collection is sampled, this is the same as Collection Number. For spatfull evaluations, this is the sum of live and recently dead spat. The value must be a whole number.
42-47	Sample Weight	This is the total weight (kg) of the given species in the replicate sample (not replicate collection unless they are the same).
48-52	Subsample Number	This is the total number of the given species in a subsample of the species if one is taken. If no subsample is taken this is the same as Sample Number. If a range of lengths is to be given, this value is 2. For spatfull evaluations, this is the number of live spat. The value must be a whole number.
53-58	Subsample Weight	If no subsample is taken, this is the same as Sample Weight.
59	Form of Record Type IV	This field is to indicate the format of the following data. This field would be recorded as follows: 0 No data taken on individuals

RECORD TYPE III: SPECIES DATA (continued)

NOTE: When a number does not precede a length, frequency will

be inferred as 1.

- 1 Modal length frequencies are recorded. Each length is preceded by the frequency of that length. No other individual data are recorded.
- 2 Length frequencies are recorded. Each length is preceded by the frequency of that length. No other individual data are recorded.
- 3 Only minimum and maximum lengths are recorded.
- 4 Biological data besides actual the lengths are recorded. Frequency should equal one.
- 5 No data taken on individuals, but species observed spawning.
- 7 Biological data, besides modal lengths, are recorded.

60 Tag Type (1)

Record the code for a specific type of tag used on the number of individuals recorded in the next field.

61-65 Number Tagged (1)

Record the total number of individuals tagged with the type of tag as recorded in the previous field.

66 Tag Type (2)

Record the code for a specific type of tag used on the number of individuals recorded in the next field.

67-71 Number Tagged (2)

Record the total number of individuals tagged with the type of tag as recorded in the previous field.

72-128 Fill

RECORD TYPE IV: INDIVIDUAL DATA

Two separate forms though in part identical, are given for individual data. Their use depends on the data to be collected. One form is for length, sex and maturity data only. The other form is to be used when data besides those above variables are to be recorded for individuals. ALWAYS RECORD DATA AS FREQUENCIES OF UNIQUE DATA. For those species with only a range of lengths to be recorded, the minimum is recorded first, followed by the maximum length.

COLUMNS	FIELD TITLE	DESCRIPTION
23-25	Line Number	Record each Type IV record of the species sequentially, beginning with 001.
26-28	Frequency	Record the number of individuals for which the following data applies.
29-32	Length	Record the length (or egg diameter) of the individual.
33	Fill	
34-38	Weight	(kilograms)
39	Sex	(1) = male (2) = female (3) = undetermined
		NOTE: Undetermined denotes that the individual was examined for that character but could not be classified; a blank field is interpreted as not examined.
40	Maturity	1 immature 2 maturing 3 mature (ripe) 4 running ripe 5 spent 6 resting or inactive 7 sponge crab 8 9 undetermined
41-44	Parameter A	Gonad weight, for example.
45-48	Parameter B	Adductor muscle or gonad subsample weight, for example.

RECORD TYPE IV: INDIVIDUAL DATA (continued)

49-52	Parameter C	Viscera weight or median ova diameter, for example.
53-56	Parameter D	Number of eggs, for example.
57	Egg or Larval Stage	Defined by the following: <ol style="list-style-type: none"> 1 unfertilized egg or egg prior to first mitotic division 2 fertilized egg-thru the 8 cell stage 3 8 cell stage through blastodisc 4 gastrula 5 blastopore closure 6 tail bud free of yolk 7 late embryo-just before shedding egg sac 8 yolk sac larvae 9 post yolk sac larvae A shed egg sac B undetermined egg C undetermined larvae
58	Status	<ol style="list-style-type: none"> 1 tagged 2 tag recapture; returned to water 3 tag recapture; not returned to water 4 deformity 5 red line peeler crab 6 pink line peeler crab 7 white line peeler crab 8 soft shell crab 9 paper shell crab
59-64	Tag Number	
65	Age Status	<ol style="list-style-type: none"> 1 only number of marks recorded 2 length to annulus data recorded 3 ageing structure taken; not yet analyzed
66	Aged Structure	<ol style="list-style-type: none"> 1 scale 2 pectoral spine 3 otolith 4 shell <p>This field must be coded if Age Status = 0.</p>
67-68	Age	This field must be coded if Age Status = 1 or = 2.

RECORD TYPE IV: INDIVIDUAL DATA (continued)

COLUMNS	FIELD TITLE	DESCRIPTION
69-70	Number of Spawning Marks	
71-128	Fill	

RECORD TYPE V: ANNULUS DATA

This is to be used when distance to annuli measurements are taken.

COLUMNS	FIELD TITLE	DESCRIPTION
23-25	Line Number	This should correspond to the same line number as on Record Type IV for the same individual.
26-27	Age	
28-30	Distance to Edge	
31-33	Marginal Increment	
34-36	Distance to 1st Annulus	NOTE: Each scale shape or skeletal piece has a standard axis for measurement. These must remain consistent within each species.
37-39	Distance to 2nd Annulus	
40-42	Distance to 3rd Annulus	
43-45	Distance to 4th Annulus	
46-48	Distance to 5th Annulus	
49-51	Distance to 6th Annulus	
52-54	Distance to 7th Annulus	
55-57	Distance to 8th Annulus	
58-60	Distance to 9th Annulus	
61-63	Distance to 10th Annulus	
64-66	Distance to 11th Annulus	
67-69	Distance to 12th Annulus	
70-72	Distance to 13th Annulus	
73-75	Distance to 14th Annulus	
76-78	Distance to 15th Annulus	
79-81	Distance to 16th Annulus	
82-84	Distance to 17th Annulus	
85-87	Distance to 18th Annulus	
88-90	Distance to 19th Annulus	

RECORD TYPE V: ANNULUS DATA (continued)

91-93	Distance to 20th Annulus
94-96	Distance to 21st Annulus
97-99	Distance to 22nd Annulus
100-102	Distance to 23rd Annulus
103-105	Distance to 24th Annulus
106-108	Distance to 25th Annulus
109-111	Distance to 26th Annulus
112-114	Distance to 27th Annulus
115-117	Distance to 28th Annulus
118-120	Distance to 29th Annulus
121-123	Distance to 30th Annulus
124-125	Number of Spawning Marks
126-128	Fill

RECORD TYPE IX: TAG RECAPTURE DATA

COLUMNS	FIELD TITLE	DESCRIPTION
---------	-------------	-------------

THE FOLLOWING FIELDS MUST BE RECORDED.

3-9	Sequence Number	This number corresponds to the Sequence Number of the collection in which the individual was tagged.
10-11	Replicate Number	This number corresponds to the Replicate Number of the collection in which the individual was tagged.
12-21	Species	Record the code for the species tagged and recaptured.
22	Species Status	Record the code for the Species Status as recorded when tagged.
23-25	Line Number	Record each Type IX record with the same unique control information, sequentially, beginning with 001.
26-31	Tag Number	Record the Tag Number of the tagged individuals.
32	Tag Type	See Appendix J.

The following fields are not mandatory, unless noted.

33-38	Recapture Date YYMMDD	If the recapture date is unknown, leave this field blank. If the year is known and the month and/or day is unknown, code the unknown subfields with zeros.
39-48	Recapture Location	Record the location of recapture either by the waterbody codes in Appendix B or by global coordinates, consistent with the program documentation.
49-51	Recapture Gear	See Appendix C. Record unknown recapture gears as '999'; and use '000' when no gear was used to record a tag. THIS FIELD MUST BE CODED.
52-55	Days Out	Record the number of days elapsed from the date of recapture.

RECORD TYPE IX: TAG RECAPTURE DATA (continued)

COLUMNS	FIELD TITLE	DESCRIPTION
56-59	Distance Travelled	The measure of the distance a tagged individual travelled before recapture will be program specific. For example, the measure may be a straight line distance or the most direct water route. The units within a program (miles, nautical miles, etc.) must be consistent.
60-63	Recapture Length	Record the length of the recaptured individual.
64-68	Recapture Weight	Record the weight of the recaptured individual.
69	Maturity	Record the maturity of the recaptured individual.
70-128	Fill	

Space is provided to record the name and address of the returnee. This information will not be digitized as part of the record but may be digitized as part of a separate "in house" file.

APPENDIX A: PROGRAM CODES

100's FISH SURVEYS

- 100 Juvenile anadromous study
- 105 Striped bass nursery area ecology study
- 110 Albemarle non-anadromous juvenile study
- 115 Non-anadromous spawning area survey
- 120 Nursery area - CZM - juvenile stock assessment
- 125 Vandemere Creek study
- 126 Orchard Creek study
- 130 Freshwater intrusion study
- 150 Anadromous adult spawning area sampling
- 160 Anadromous egg and larvae sampling
- 170 Division adult finfish sampling-collection and sample size measured by weight
- 175 Division eel pot sampling
- 180 Division adult finfish sampling-collection and sample size measured by number

300's FISH TAGGING STUDIES

- 300 Inshore anadromous tagging
- 320 Scrapfish tagging
- 330 Inshore flounder tagging
- 340 Albemarle Sound non-anadromous tagging (white and channel cat and white perch)
- 350 Croaker tagging

400's COMMERCIAL SAMPLES

- 400 Anadromous commercial harvest-culled samples
- 410 Anadromous commercial harvest-unculled samples

APPENDIX A (continued)

- 420 Striped bass (AFCS-14) commercial harvest-culled samples
- 421 Striped bass flight survey
- 422 Striped bass log books
- 430 Non-anadromous commercial harvest-culled samples
- 431 Sciaenid pound net fishery-culled samples
- 432 Flounder pound net fishery-culled samples
- 433 Winter trawl fishery-culled samples
- 434 Sink net fishery-culled samples
- 435 Beach seine fishery-culled samples
- 436 Crab trawl fishery-culled samples
- 437 Long haul fishery-culled samples
- 438 Offshore live bottom fishery-culled samples
- 440 Non-anadromous commercial harvest-unculled samples
- 441 Sciaenid pound net fishery-unculled samples
- 442 Flounder pound net fishery-unculled samples
- 443 Winter trawl fishery-unculled samples
- 444 Sink net fishery-unculled samples
- 445 Beach seine fishery-unculled samples
- 446 Crab trawl fishery-unculled samples
- 447 Long haul fishery-unculled samples
- 450 Scrapfish study
- 460 Shrimp
- 470 Commercial crab harvest samples

500's CRUSTACEAN STUDIES

- 510 Shrimp size frequency and CPUE sampling
- 520 Shrimp tagging

APPENDIX A (continued)

- 530 Crab pot sampling
- 540 Crab trawl sampling
- 550 Crab tagging

600's MOLLUSC STUDIES

- 600 Culch planings (site selection)
- 610 Plant samples (spatfall evaluation) - Morehead City
- 615 Plant samples (spatfall evaluation) - Wrightsville Beach
- 618 Relay Evaluations
- 620 Seed clam study
- 630 Shellfish "CZM" survey
- 640 Clam kicking area studies
- 650 Clam escalator dredge area studies
- 660 Shellfish lease investigations
- 670 Special surveys (oysters)
- 680 Special surveys (clams)
- 690 Scallop surveys

700's DAN MOORE STUDIES

- 700 Anadromous fish survey
- 705 Flounder survey
- 710 Scallop survey
- 715 Rock shrimp survey
- 720 Exploratory fishing/general survey
- 725 Gear testing
- 730 Lobster survey
- 735 Squid project

APPENDIX A (continued)

740 Diving

745 B.C.F. Schoolfish survey

750 Clam survey

755 Demersal survey

760 Demonstration cruise

765 Industrial fish survey

770 Aqua 10 Sargassum survey

775 Net selectivity testing

900's MISCELLANEOUS

910 Fish kill samples

920 Gear testing

930 Miscellaneous ageing samples

000's NON-DMF PROGRAMS

050 Inland Fisheries stream surveys

051 Inland Fisheries Lake Phelps surveys

055 Peat Methanol Associates Pungo River biological data

060 U.S. Fish and Wildlife Service data

WATER

25000000000 - 49000000000 ARE RESERVED FOR GLOBAL COORDINATES

CODE STATIONS

ATLANTIC OCEAN

CAPE CANAVERAL TO CAPE ROMAIN	0000000000
NORTH OF BRUNSWICK, GA	0000000000
SOUTH OF BRUNSWICK, GA	0000000000
CAPE ROMAIN TO CAPE FEAR (LONG BAY)	0000000000
FRYING PAN SHOALS	0000000000
CAPE FEAR TO CAPE LOOKOUT (ONSLOW BAY)	0000000000
NEARSHORE EDGEWATER BANKS	0000000000
BEAUFORT BAR	0000000000
CAPE LOOKOUT SLOUGH	0000000000
CAPE LOOKOUT JETTY VICINITY	0000000000
CAPE LOOKOUT BIGHT	0000000000
NEARSHORE	0000000000
ATL. BEACH ARTIFICIAL REEF	0000000000
CAPE LOOKOUT TO CAPE HATTERAS (RALEIGH BAY)	0000000000
NEARSHORE CORE BANKS	0000000000
OFF OCRACOE BEACHES	0000000000
OFF HATTERAS INLET CAPE HATTERAS BEACHES	0000000000
DIAMOND SHOALS	0000000000
CAPE HATTERAS TO CAPE HENRY/CAPE CHARLES	0000000000
WINBLE SHOALS	0000000000
OREGON INLET	0000000000
"THE CIGAR"	0000000000
RUSSIAN TRAWLER	0000000000
CURRITUCK BEACH LIGHT (COROLLA - DUCK BECH)	0000000000
KITTY HAWK TO OREGON INLET BEACHES & NCHR	0000000000
OREGON INLET TO CAPE HATTERAS BEACHES & NCHR	0000000000
NEARSHORE PEA ISLAND	0000000000
C. HENRY/C. CHARLES TO C. HENLOPEN/C. MAY	0000000000
NORFOLK CANYON	0000000000
WASHINGTON CANYON	0000000000
BALTIMORE CANYON	0000000000
C. HENLOPEN/C. MAY TO CAPE COD	0000000000
CURRITUCK SOUND	0100000000
AREAS WITHIN CURRITUCK SOUND PROPER	0100000000
C.SO.BR. TO JEWISH QUARTER IS.	0100000000
C.SO.BR. TO JEWISH QUARTER IS.	0100000000
JEWISH QUARTER IS. TO POPLAR BRANCH	0100000000
POPLAR BR. TO PARKER CR. TO C.BEACH LT.	0100000000
PARKER CR. TO BELL PT. TO SWAN IS.	0100000000
BELL PT. TO SWAN IS. TO VA. LINE	0100000000
CURR.SND BR.-S. TO POWELLS PT./LONG PT.	0100000000
JENKINS COVE	0100000000
JARVIS CHANNEL	0100000000

CE29 CE30

124 301-303 3045 305 311 312 1E 1MS 1W
 CS1 CS3-CS7 CS11 CS12 CS15 CS16S
 306 308 2E 2ME 2MW 2W CS24-CS26 CS28 CS29
 310S 311 312 CS18 CS35 CS38 CS39
 CS32
 318 CS41 CS47
 111S 112S 123 AS4 CS60S
 307

WATER

LOVE OAK CHANNEL

JEAN GUITE CREEK

HOG QUARTER CREEK

DOWDY BAY

BEATLEY BAY

WELLS CREEK

NELLS CREEK

SANDERS BAY

WHALE HEAD BAY

SHIPS BAY

RACCOON BAY

KNOTTS ISLAND BAY

BELLOWS BAY

COINJOCK BAY

CEDAR ISLAND BAY

CEDAR BAY

NORTH LANDING RIVER

NORTH LANDING RIVER

GIBBS CREEK

TULLS BAY

TULLS CREEK

NORTHWEST RIVER

SHINGLE LNDS CK.

BACK BAY

WEBSTER CREEK

ALBEMARLE SOUND

AREAS WITHIN ALBEMARLE SOUND PROPER

EDENTON BAY TO US17 RR.

ROADNOKE R. TO US17 RR.

EDENTON BAY TO RAILROAD BR.

ROADNOKE R. TO RAILROAD BR.

ROADNOKE R. TO RAILROAD BR.

RAILROAD BR. TO HWY. 32 NORTHSIDE

RAILROAD BR. TO HWY. 32 SOUTHSIDE

HWY. 32 TO DRUMMOND PT.

HWY. 32 TO LAUREL PT.

DRUMMOND PT. TO HARVEY PT.

LAUREL PT. TO BULL BAY (EASTSIDE)

HARVEY PT. TO LITTLE R. (EASTSIDE)

BULL BAY TO SHIP PT. (EASTSIDE)

LITTLE R. TO WADE PT.

SHIP PT. TO LONG SHOAL PT.

WADE PT. TO CAMDEN PT.

LONG SHOAL PT. TO NED BEES PT.

CAMDEN PT. TO PT. HARKER TO POWELLS PT.

NED BEES PT. TO CAROON PT.

CAROON PT. TO RHODONS PT. EAST TO BEACH

POWELLS PT. - CAROON PT. - RHODONS PT.

NORTH RIVER

NORTH RIVER

DUCK CREEK

BARNETT CREEK

LUTZ CREEK

GOOSE POND

DEEP CREEK

NARRAW RINGE CREEK

STATIONS

CS20 CS21

200 CS17

CS22

213

214 3E 3NE CS48

3 315 CS30

3173 318 319S 321-322 4E 4M 4W 3M 3W

CS43-CS46 CS53 CS54 CS56 CS58

320 CS51

1 4 5 6 7 8 CS49

2

49 CR2 CR3 T3

1 2 3 125 51 52 53 56 51P-54P T1 T2

153 57 58 T4 T8

8 129 129S 140 152 AS19 AS20 AS24

54 55 55P 56P 57P 58P T5 T6 T7

138 141 149 (OW)15 A2 AS11 U2 U4

5 9 151 AS25 W1 W3

5 6 127S 136 137 143 AS12 E1 E3 A1 A3 A4

130S 142 150 AS27 AS29 E2 EA

126S E11 E12 AS14

(OW)3 AS28

275 135 A10 A11 AS16

144 144S AS33

134 AS7

145 145S (OW)5 AS34 AS35 AS37

131S (OW)4 (OW)25 AR6 AR7

125 125S 132 133 AS2 AS3 AS5

146 147S (OW)26 AS8A 147

1S 2S 4 7 21 25 26 D2 D4 D7 D13 D15

NR2 NR3 NR5 NR7 NR8 (OW)23 (OW)24

6 16 NR1

18 D16

15 D12

8 9

12

WATER

	CODE	STATIONS
BUMFLANDING CREEK	0201370000	
TAYLOR BAY	0201380000	8 19
LOW FROM TAYLOR BAY TO COINJOCK BAY	0201390000	7 10 24
INDIAN TOWN CREEK	0201400000	7 11 12 20 22 23
WADING CUT	0201410000	
BROAD CREEK	0201420000	3 NR9 NR10
NORTH BRANCH	0201430000	2
LITTLE BROAD CREEK	0201440000	17
NORTH BRANCH	0201450000	5
ABEL CREEK	0201460000	4
BACKLANDING CREEK	0201470000	3
PUBLIC CREEK	0201480000	1
COW CREEK (CROOKED CREEK)	0201490000	2
GREAT CREEK	0201500000	11
BULL FROG CREEK	0201510000	5 10
EAST CANAL	0201520000	14 D4
GREEN ISLAND CREEK	0201530000	13 D5
PASQUOTANK RIVER	0201540000	3 7 10 11 13 13S 14S-16S 15 17 18 22 23 24
PASQUOTANK RIVER	0201550000	(DW)20-(DW)22 26 27 A6-A14 A16-A20 A22-A24 B1A
PASQUOTANK RIVER	0201560000	B1A B2A B2-B5 B8 B10 B11 B13 B14 B17 C2-C5
PASQUOTANK RIVER	0201570000	C9-C11 EP11-EP14 S2
RAYMOND CREEK	0201580000	13 B12 B15
PORTHONK CREEK	0201590000	18
ARENEUSE CREEK	0201600000	17 21 B6
SAWYERS CREEK	0201610000	5 C1
LITTLE FLATTY CREEK	0201620000	12 LF1 LF2
NEW BEGUN CREEK	0201630000	1 16 19 20 A1 A3 A5
FALING CREEK	0201640000	
JAMES CREEK	0201650000	
CHARLES CREEK	0201660000	24
KNOBBS CREEK	0201670000	2 4 29
UNNAMED TRIB WHICH JOINS ARENEUSE CR.	0201680000	30
UNNAMED TRIB BELOW SAWYERS CREEK	0201690000	10
UNNAMED CREEK ABOVE COOPER CREEK	0201700000	0
UNNAMED CREEK BELOW GOAT ISLAND	0201710000	9
COOPER CREEK	0201720000	
DISMAL SWAMP CANAL (LAKE DRUMMOND CANAL)	0201730000	6 24 25 D6 C7
JOYCE CREEK	0201740000	19 20
BIG FLATTY CREEK	0201750000	25 26 28 DF2
CHAPEL CREEK	0201760000	14
MILL DAM CREEK	0201770000	15
LITTLE RIVER	0201780000	1 3 4 7 9 27S 28 29 32 32S (DW)19 B5
LITTLE RIVER	0201790000	A2 A3 B1 B3 B3A B4 B5 B5S B6 B6S B7S
SYMONDS CREEK	0201800000	2 30 31 (DW)18
HALLS CREEK	0201810000	5 A1
DEEP CREEK	0201820000	4 A4 A6
PERQUIMANS RIVER	0201830000	1 3 5 8 14 19 20 24-27 33S 34S 35 36 38 38S
PERQUIMANS RIVER	0201840000	(DW)16 (DW)17 A1 A3 A5-A7 A9 A12-A16
MUDDY CREEK	0201850000	12
CANAAN CREEK (COVE CREEK)	0201860000	
SUTTONS CREEK	0201870000	2 16 18 37 A18
MILL POND CREEK (MILL CREEK)	0201880000	4 7 9 13 15
GOODWIN CREEK	0201890000	1 6 23
WALTERS CREEK (RACCOON CREEK)	0201900000	10 11 17 20
MATHEWS CREEK	0201910000	21

WATER

UNNAMED CREEK (1200,1001,1208)

YEOPIM RIVER

YEOPIM CREEK

BETHEL CREEK

BURNETT MILL CREEK

HIDDELTOWN CREEK

EDENTON BAY

QUEEN ANNE CREEK

POLLOCK CREEK (PENROCK CREEK)

DRAINAGE DITCH

CHOWAN RIVER

AREAS WITHIN CHOWAN R. PROPER

HWY 17 BR-MT GLD LINES/HARRIS LINES

HWY 17 BR-MT GLD LINES/HARRIS LINES

MT GLD L./HARRIS L.-COLER./CHOWAN R.

COLER./CHOWAN R./N.HOLIDAY IS.

COLER./CHOWAN R./N.HOLIDAY IS.

COLER./CHOWAN R./N.HOLIDAY IS.

N.HOLIDAY IS-MOUTH BARNES CR.

MOUTH BARNES CR-HWY 158/13 BR.

MOUTH BARNES CR-HWY 158/13 BR.

HWY 158/13 BR TO VA. ST.LINE

ROCKYHOCK CREEK

DILLARD CREEK

STUMPY CREEK

CATHERINE (WARWICK) CREEK

TROUTMAN CREEK

BENNETTS CREEK

SAREN CREEK

TAYLORS MILL POND

COLE CREEK

BARNES CREEK

SPIKES CREEK

BUCKHORN CREEK

RUN SWAMP

MUD CREEK

SOMERTON CREEK

HARES MILL CREEK

WICACON RIVER

WICACON RIVER

CHINKARIN CREEK

ASHOKITE CREEK

DEEP SWAMP

CURRITUCK CREEK (KEEL CREEK)

WILLOW BRANCH

MEHERRIN RIVER

MEHERRIN RIVER

POTECASI CREEK

INDIAN CREEK

OLD TREE SWAMP

PANTHER SWAMP

KIRBY CREEK

TURKEY CREEK

LIVERMAN CREEK

SALMON CREEK

EASTMOST SWAMP

CODE

STATIONS

22

10 39S 40 41 E4

4 9 44 45 E8

2 2 8 43

3 5 7 E3

1 11 42

12 19 50 (OW) 29 E2 E83 E85 FJ1 FJ2

1 2 4 5 10

2 3 6 8 9 11 13-16 51 E83

7

26 46S 54 (OW) 12 CR1 CR5 CR8 CR13 CR14

EP01 EP02 EP05-EP08 NA01-NA03 NA10 NA25 NA26

25 47S 07-231 CR19 CR11 NA04-NA06 (OW) 11

12 56 57 59 07041 CR12 CR15 CR17 EP03 EP04

25 39-41 NA07 (OW) 9 (OW) 10

NA13 NA14 NA22 NA23 NA28

34 42 CR18 CR20 H2 NA11 NA12 NA15 NA16 NA30

29 36 38 43S 66 CR22-CR24

NA29 NA21 NA31 NA32 NA36

14 30 32 70 CR25-CR29 NA18 NA19 NA24

1 16 55 R1 R2

2

3 13 W1-W3

8 T1

4 5 9 37 59 60 B2 B4-B10 NA08 NA09

22 53 61 M3

7

11

23 M1

24

12

31 M1-M4

9 20 27 28 33 62 63 65 K1 K3 K4 L1-L4 NA29 NA33

L1-L4 NA29 NA33

5 17 64 L5 L6

18

3-5 16-27 67 68-68S 69 07252

M1 M3 M5-M7 M9-M14 NA17 NA27 NA34

1 11 13 P1-P7

12

14

15

6-9

10

2

1 2 3 5 52 53 S2

14

WATER

	CODE	STATIONS
CRICKET SWAMP	0208200200	15
CRICKET SWAMP	0208200200	15
UNNAMED CREEK AT CANNONS FERRY	0208210000	10
UNNAMED CREEK AT CANNONS FERRY	0208210000	10
UNNAMED CREEK ACROSS FROM WICKACON CK.	0208220300	21
UNNAMED CREEK ACROSS FROM WICKACON CK.	0208220300	21
NOTTAWAY RIVER	0208230000	1-11 01-05 NA35
NOTTAWAY RIVER	0208230000	1-11 01-05 NA35
BLACKWATER RIVER	0208240000	12 13 P1-P5
BLACKWATER RIVER	0208240000	12 13 P1-P5
CATHERINE CREEK (AT TUNIS)	0208250000	19
CASHIE RIVER	0209000000	7 1285 AS21 AS22 AS23 AS23A B01 B02 EP09
CASHIE RIVER	0209010000	2 4 713 72-75 CR2-CR4 CR6 CR7 CR9-CR13
CASHIE RIVER	0209010000	10-12 14-16 18 CR15 CR16
CASHOKE CREEK	0209010100	CC1
BROAD CREEK	0209010200	17 B01-B03
BRENNEL CREEK	0209010300	9 G1 G2
WADING PLACE CREEK	0209010400	1 1A
HOGGARD HILL CREEK	0209010500	3 3A
ROQUIST CREEK	0209010600	5 13
CHLSKA CREEK	0209010700	4
CONNARISTA CREEK	0209010800	8
WHITE DAK SWAMP	0209010900	7
MIDDLE RIVER	0209020000	77 NR2
EASTMOST RIVER	0209030000	E1
ROANOKE RIVER	0210000000	
AREAS WITHIN ROANOKE RIVER PROPER	0210000000	
HARKER'S MOUTH OF WELCH CK.	0210000100	43 76 70 B1 RR2 (OW)14
WELCH CK-HWY 17 L-AT WILMSTON	0210000200	4 5 37 38 79 81 82 RR3 RR4 RR8-RR10 RR15-RR17
HWY 17 BR AT WILMSTON HWY 11 BR.	0210000300	83 40 RR23-RR26
HWY 11 BR.-HWY 258 BR.	0210000400	24 42 RR27-RR28 RR29-RR31 RR31
HWY 258 BR.-ROANOKE RAPIDS DAM	0210000500	5 20 23 25 RR20 RR18-RR19 RR32-RR34
CANADY CREEK	0210010000	35 36 41 76 CC1 CC2
WELCH CREEK	0210020000	1 31 33
INDIAN CREEK (NO. 1)	0210030000	2 6 34
CONINE CREEK	0210040000	27
BROAD CREEK	0210050000	RR5-RR7
LEFT FORK	0210050100	28 80
THROUGHFARE	0210060000	
CONCHO CREEK	0210070000	
DEVILS GUT	0210080100	1-7 26
GARDNERS CREEK	0210090000	39 RR11-RR13
ROSES CREEK	0210090000	7
COW CREEK	0210090000	3 80
CONIOTT CREEK	0210100000	
ROANOKE CREEK	0210110100	1 32
UNNAMED TRIP	0210110200	22
SWEETWATER CREEK	0210120000	21 44 45
KERUKEE SWAMP (CK. NO. 4)	0210150000	11 29
QUANKEY CREEK	0210160000	30
CK. NO. 2-1ST CK SE OF HWY 11	0210170000	9
CK. NO. 3-2ND CK SE OF HWY 11	0210180000	10
CK NO 5-SPLITS TO S CONNIS & NORFLEET	0210190000	12
CK NO 6-S. OF RAILROAD X IN NW GERTIE CO.	0210200000	14
CK. NO. 7-CK. JUST SOUTH OF BRIDGES CR.	0210210000	15
BRIDGES CREEK (CK. NO. 8)	0210220000	16

WATER

CONDONNARA SWAMP (CR. NO. 9)
TRIB TO BARFOUS MILL POND (CR. NO. 10)
OCCONECHEE CREEK
SWAMP AT END OF SSR 1106
CANAL AT ROARHOK FOR HUNTING CLUB

SWAN BAY
MADKEYS CREEK (KENDRICK CREEK)

OLD MILL CREEK
MILL CREEK
MAIN CANAL

BULL BAY

SCUPPERNONG RIVER
SCUPPERNONG RIVER

RIDERS CREEK
MOCCASIN (WESTERN) CANAL
CREEK TO RATAYA & BEE TREE
BEE TREE CANAL
WINSLOW'S FEEDER
LAKE PHELPS

30 FOOT CANAL

WHITE CANAL (END CR AT COLUMBIA)
FIRST COLONY PUMP. STA. CANAL
SOMERSET (TRANSPORTATION) CANAL
CHERRY CANAL
EROSH CANAL (1126 CANAL)
SECOND CREEK (ABOVE RIDERS CR.)

BULL CREEK
DEEP CREEK

CANAL SCR 1308

ALLIGATOR RIVER

AREAS WITHIN ALLIGATOR RIVER PROPER
LONG SHOAL PT-SOUND PT-ALLIG. R.
ALL RIVER-GOONE CR-BILL TAIL CR
GOOSE-MILLTAIL CR-CATF-STUNNY PT
CATF-STMP PT-GRPV-BEHLER LDB PT
GRPV-BEHLER RUG-NWPTUES PT-MKE10
NWPTUES PT-MKE10-PT LKOUT-GA BAY
PT LKOUT-GA BAY-THE FORKS
THE FORKS-KILKENNY LANDING
KILKENNY LNDG-NEW L-FK/ALLIG. R.
UPRIVER OF NEW LAKE FK/ALLIG. R.

LITTLE ALLIGATOR CREEK (RIVER)
SECOND CREEK
THE STRAITS

THE FRYING PAN
MILLTAIL CREEK & LAKE
SOUTH LAKE

BROAD CREEK
DEEP BAY

NORTHEAST PRONG
HOOKER CUT
ROBERTSON'S LANDING CANAL
SOUTHEAST PRONG

EAST LAKE

LONG POINT CANAL

CODE STATIONS

0210230000 17
0210240000 18
0210250000 19
0210260000 8
0210270000 13
0210280000
0210290000
0210300000
0210310000
0210320000
0210330000
0210340000
0210350000
0210360000
0210370000
0210380000
0210390000
0210400000
0210410000
0210420000
0210430000
0210440000
0210450000
0210460000
0210470000
0210480000
0210490000
0210500000
0210510000
0210520000
0210530000
0210540000
0210550000
0210560000
0210570000
0210580000
0210590000
0210600000
0210610000
0210620000
0210630000
0210640000
0210650000
0210660000
0210670000
0210680000
0210690000
0210700000
0210710000
0210720000
0210730000
0210740000
0210750000
0210760000
0210770000
0210780000
0210790000
0210800000
0210810000
0210820000
0210830000
0210840000
0210850000
0210860000
0210870000
0210880000
0210890000
0210900000
0210910000
0210920000
0210930000
0210940000
0210950000
0210960000
0210970000
0210980000
0210990000
0211000000
0211010000
0211020000
0211030000
0211040000
0211050000
0211060000
0211070000
0211080000
0211090000
0211100000
0211110000
0211120000
0211130000
0211140000
0211150000
0211160000
0211170000
0211180000
0211190000
0211200000
0211210000
0211220000
0211230000
0211240000
0211250000
0211260000
0211270000
0211280000
0211290000
0211300000
0211310000
0211320000
0211330000
0211340000
0211350000
0211360000
0211370000
0211380000
0211390000
0211400000
0211410000
0211420000
0211430000
0211440000
0211450000
0211460000
0211470000
0211480000
0211490000
0211500000
0211510000
0211520000
0211530000
0211540000
0211550000
0211560000
0211570000
0211580000
0211590000
0211600000
0211610000
0211620000
0211630000
0211640000
0211650000
0211660000
0211670000
0211680000
0211690000
0211700000
0211710000
0211720000
0211730000
0211740000
0211750000
0211760000
0211770000
0211780000
0211790000
0211800000
0211810000
0211820000
0211830000
0211840000
0211850000
0211860000
0211870000
0211880000
0211890000
0211900000
0211910000
0211920000
0211930000
0211940000
0211950000
0211960000
0211970000
0211980000
0211990000
0212000000
0212010000
0212020000
0212030000
0212040000
0212050000
0212060000
0212070000
0212080000
0212090000
0212100000
0212110000
0212120000
0212130000
0212140000
0212150000
0212160000
0212170000
0212180000
0212190000
0212200000
0212210000
0212220000
0212230000
0212240000
0212250000
0212260000
0212270000
0212280000
0212290000
0212300000
0212310000
0212320000
0212330000
0212340000
0212350000
0212360000
0212370000
0212380000
0212390000
0212400000
0212410000
0212420000
0212430000
0212440000
0212450000
0212460000
0212470000
0212480000
0212490000
0212500000
0212510000
0212520000
0212530000
0212540000
0212550000
0212560000
0212570000
0212580000
0212590000
0212600000
0212610000
0212620000
0212630000
0212640000
0212650000
0212660000
0212670000
0212680000
0212690000
0212700000
0212710000
0212720000
0212730000
0212740000
0212750000
0212760000
0212770000
0212780000
0212790000
0212800000
0212810000
0212820000
0212830000
0212840000
0212850000
0212860000
0212870000
0212880000
0212890000
0212900000
0212910000
0212920000
0212930000
0212940000
0212950000
0212960000
0212970000
0212980000
0212990000
0213000000
0213010000
0213020000
0213030000
0213040000
0213050000
0213060000
0213070000
0213080000
0213090000
0213100000
0213110000
0213120000
0213130000
0213140000
0213150000
0213160000
0213170000
0213180000
0213190000
0213200000
0213210000
0213220000
0213230000
0213240000
0213250000
0213260000
0213270000
0213280000
0213290000
0213300000
0213310000
0213320000
0213330000
0213340000
0213350000
0213360000
0213370000
0213380000
0213390000
0213400000
0213410000
0213420000
0213430000
0213440000
0213450000
0213460000
0213470000
0213480000
0213490000
0213500000
0213510000
0213520000
0213530000
0213540000
0213550000
0213560000
0213570000
0213580000
0213590000
0213600000
0213610000
0213620000
0213630000
0213640000
0213650000
0213660000
0213670000
0213680000
0213690000
0213700000
0213710000
0213720000
0213730000
0213740000
0213750000
0213760000
0213770000
0213780000
0213790000
0213800000
0213810000
0213820000
0213830000
0213840000
0213850000
0213860000
0213870000
0213880000
0213890000
0213900000
0213910000
0213920000
0213930000
0213940000
0213950000
0213960000
0213970000
0213980000
0213990000
0214000000
0214010000
0214020000
0214030000
0214040000
0214050000
0214060000
0214070000
0214080000
0214090000
0214100000
0214110000
0214120000
0214130000
0214140000
0214150000
0214160000
0214170000
0214180000
0214190000
0214200000
0214210000
0214220000
0214230000
0214240000
0214250000
0214260000
0214270000
0214280000
0214290000
0214300000
0214310000
0214320000
0214330000
0214340000
0214350000
0214360000
0214370000
0214380000
0214390000
0214400000
0214410000
0214420000
0214430000
0214440000
0214450000
0214460000
0214470000
0214480000
0214490000
0214500000
0214510000
0214520000
0214530000
0214540000
0214550000
0214560000
0214570000
0214580000
0214590000
0214600000
0214610000
0214620000
0214630000
0214640000
0214650000
0214660000
0214670000
0214680000
0214690000
0214700000
0214710000
0214720000
0214730000
0214740000
0214750000
0214760000
0214770000
0214780000
0214790000
0214800000
0214810000
0214820000
0214830000
0214840000
0214850000
0214860000
0214870000
0214880000
0214890000
0214900000
0214910000
0214920000
0214930000
0214940000
0214950000
0214960000
0214970000
0214980000
0214990000
0215000000
0215010000
0215020000
0215030000
0215040000
0215050000
0215060000
0215070000
0215080000
0215090000
0215100000
0215110000
0215120000
0215130000
0215140000
0215150000
0215160000
0215170000
0215180000
0215190000
0215200000
0215210000
0215220000
0215230000
0215240000
0215250000
0215260000
0215270000
0215280000
0215290000
0215300000
0215310000
0215320000
0215330000
0215340000
0215350000
0215360000
0215370000
0215380000
0215390000
0215400000
0215410000
0215420000
0215430000
0215440000
0215450000
0215460000
0215470000
0215480000
0215490000
0215500000
0215510000
0215520000
0215530000
0215540000
0215550000
0215560000
0215570000
0215580000
0215590000
0215600000
0215610000
0215620000
0215630000
0215640000
0215650000
0215660000
0215670000
0215680000
0215690000
0215700000
0215710000
0215720000
0215730000
0215740000
0215750000
0215760000
0215770000
0215780000
0215790000
0215800000
0215810000
0215820000
0215830000
0215840000
0215850000
0215860000
0215870000
0215880000
0215890000
0215900000
0215910000
0215920000
0215930000
0215940000
0215950000
0215960000
0215970000
0215980000
0215990000
0216000000
0216010000
0216020000
0216030000
0216040000
0216050000
0216060000
0216070000
0216080000
0216090000
0216100000
0216110000
0216120000
0216130000
0216140000
0216150000
0216160000
0216170000
0216180000
0216190000
0216200000
0216210000
0216220000
0216230000
0216240000
0216250000
0216260000
0216270000
0216280000
0216290000
0216300000
0216310000
0216320000
0216330000
0216340000
0216350000
0216360000
0216370000
0216380000
0216390000
0216400000
0216410000
0216420000
0216430000
0216440000
0216450000
0216460000
0216470000
0216480000
0216490000
0216500000
0216510000
0216520000
0216530000
0216540000
0216550000
0216560000
0216570000
0216580000
0216590000
0216600000
0216610000
0216620000
0216630000
0216640000
0216650000
0216660000
0216670000
0216680000
0216690000
0216700000
0216710000
0216720000
0216730000
0216740000
0216750000
0216760000
0216770000
0216780000
0216790000
0216800000
0216810000
0216820000
0216830000
0216840000
0216850000
0216860000
0216870000
0216880000
0216890000
0216900000
0216910000
0216920000
0216930000
0216940000
0216950000
0216960000
0216970000
0216980000
0216990000
0217000000
0217010000
0217020000
0217030000
0217040000
0217050000
0217060000
0217070000
0217080000
0217090000
0217100000
0217110000
0217120000
0217130000
0217140000
0217150000
0217160000
0217170000
0217180000
0217190000
0217200000
0217210000
0217220000
0217230000
0217240000
0217250000
0217260000
0217270000
0217280000
0217290000
0217300000
0217310000
0217320000
0217330000
0217340000
0217350000
0217360000
0217370000
0217380000
0217390000
0217400000
0217410000
0217420000
0217430000
0217440000
0217450000
0217460000
0217470000
0217480000
0217490000
0217500000
0217510000
0217520000
0217530000
0217540000
0217550000
0217560000
0217570000
0217580000
0217590000
0217600000
0217610000
0217620000
0217630000
0217640000
0217650000
0217660000
0217670000
0217680000
0217690000
0217700000
0217710000
0217720000
0217730000
0217740000
0217750000
0217760000
0217770000
0217780000
0217790000
0217800000
0217810000
0217820000
0217830000
0217840000
0217850000
0217860000
0217870000
0217880000
0217890000
0217900000
0217910000
0217920000
0217930000
0217940000
0217950000
0217960000
0217970000
0217980000
0217990000
0218000000
0218010000
0218020000
0218030000
0218040000
0218050000
0218060000
0218070000
0218080000
0218090000
0218100000
0218110000
0218120000
0218130000
0218140000
0218150000
0218160000
0218170000
0218180000
0218190000
0218200000
0218210000
0218220000
0218230000
0218240000
0218250000
0218260000
0218270000
0218280000
0218290000
0218300000
0218310000
0218320000
0218330000
0218340000
0218350000
0218360000
0218370000
0218380000
0218390000
0218400000
0218410000
0218420000
0218430000
0218440000
0218450000
0218460000
0218470000
0218480000
0218490000
0218500000
0218510000
0218520000
0218530000
0218540000
0218550000
0218560000
0218570000
0218580000
0218590000
0218600000
0218610000
0218620000
0218630000
0218640000
0218650000
0218660000
0218670000
0218680000
0218690000
0218700000
0218710000
0218720000
0218730000
0218740000
0218750000
0218760000
0218770000
0218780000
0218790000
0218800000
0218810000
0218820000
0218830000
0218840000
0218850000
0218860000
0218870000
0218880000
0218890000
0218900000
0218910000
0218920000
0218930000
0218940000
0218950000
0218960000
0218970000
0218980000
0218990000
0219000000
0219010000
0219020000
0219030000
0219040000
0219050000
0219060000
0219070000
0219080000
0219090000
0219100000
0219110000
0219120000
0219130000
0219140000
0219150000
0219160000
0219170000
0219180000
0219190000
0219200000
0219210000
0219220000
0219230000
0219240000
0219250000
0219260000
0219270000
0219280000
0219290000
0219300000
0219310000
0219320000
0219330000
0219340000
0219350000
0219360000
0219370000

WATER

	CODE	STATIONS
WHIPPING CREEKS & LAKE	021079000	7 29 2E1 2E2
SWAN CREEK & LAKE	021080000	7 2E3 3E1
NO. 1 CANAL NO 94 (OFF ALLIGATOR RIVER)	021090000	11
LOW-ALLIGATOR	021100000	
NEWLAKE FORK	021110000	4E2
NEW LAKE	021120000	4E3
GRAPEVINE BAY	021130000	20 24
NORTHWEST FORK	021140000	241 NA4 NAE 3E7
CANAL NO. 1 NO 94 (WAYNE'S)	021150000	2
SOUTHWEST FORK	021160000	12 NA2 NA3 3E8
GUM NECK PUMPING STATION	021170000	13
CHERRY RIDGE CANAL	021180000	14
NO. 2 CANAL OFF ALLIGATOR R. TO NO 94	021190000	15 302
EAST LAKE CANAL	021200000	204
KITTY HAWK BAY	021210000	KHB1 KHE2
COLINGTON CREEK	021220000	E1 E2 E5-BE3 BB4
BUZZARD BAY	021230000	
BLACK WALNUT SWAMP	021240000	
TOM HAWN CREEK	021250000	
CROATAN SOUND	021260000	
CROATAN SOUND	021270000	
PETER MASHOES CREEK	021280000	
SPENDER CREEK	021290000	
CALLAGHAN CREEK	021300000	
BAUM CREEK	021310000	
OYSTER CREEK	021320000	
CECILE RUSH BAY	021330000	
CUTTHROUGH	021340000	
SMITH CREEK	021350000	
MAN'S HARBOR	021360000	
ROANOKE SOUND	021370000	
AREAS WITHIN ROANOKE SOUND PROPER	021380000	
BAUM SLOUGH	021390000	
WALTER SLOUGH	021400000	
STETSON CHANNEL	021410000	
BLOSSIE CREEK	021420000	
CHANNEL BETWEEN HERRING SH. & BOBIE IS.	021430000	
SHALLOWBAG BAY	021440000	
SCARDORO CREEK	021450000	
DOUGH CREEK	021460000	
JOHN'S CREEK	021470000	
SAND BEACH CREEK	021480000	
BROAD CREEK	021490000	
MILL CREEK	021500000	
OYSTER CREEKS CUTHROUGH	021510000	
FAMLICO SOUND	021520000	
AREAS WITHIN FAMLICO SOUND PROPER	021530000	
ROYAL SHOAL	021540000	
POINT OF MARSH	021550000	
BLUFF SHOAL	021560000	
SWANQUARTER NARROWS	021570000	
NEUSE RIVER LIGHT	021580000	
CEDAR ISLAND BEACH	021590000	
	021600000	
	021610000	
	021620000	
	021630000	
	021640000	
	021650000	
	021660000	
	021670000	
	021680000	
	021690000	
	021700000	
	021710000	
	021720000	
	021730000	
	021740000	
	021750000	
	021760000	
	021770000	
	021780000	
	021790000	
	021800000	
	021810000	
	021820000	
	021830000	
	021840000	
	021850000	
	021860000	
	021870000	
	021880000	
	021890000	
	021900000	
	021910000	
	021920000	
	021930000	
	021940000	
	021950000	
	021960000	
	021970000	
	021980000	
	021990000	
	022000000	
	022010000	
	022020000	
	022030000	
	022040000	
	022050000	
	022060000	
	022070000	
	022080000	
	022090000	
	022100000	
	022110000	
	022120000	
	022130000	
	022140000	
	022150000	
	022160000	
	022170000	
	022180000	
	022190000	
	022200000	
	022210000	
	022220000	
	022230000	
	022240000	
	022250000	
	022260000	
	022270000	
	022280000	
	022290000	
	022300000	
	022310000	
	022320000	
	022330000	
	022340000	
	022350000	
	022360000	
	022370000	
	022380000	
	022390000	
	022400000	
	022410000	
	022420000	
	022430000	
	022440000	
	022450000	
	022460000	
	022470000	
	022480000	
	022490000	
	022500000	
	022510000	
	022520000	
	022530000	
	022540000	
	022550000	
	022560000	
	022570000	
	022580000	
	022590000	
	022600000	
	022610000	
	022620000	
	022630000	
	022640000	
	022650000	
	022660000	
	022670000	
	022680000	
	022690000	
	022700000	
	022710000	
	022720000	
	022730000	
	022740000	
	022750000	
	022760000	
	022770000	
	022780000	
	022790000	
	022800000	
	022810000	
	022820000	
	022830000	
	022840000	
	022850000	
	022860000	
	022870000	
	022880000	
	022890000	
	022900000	
	022910000	
	022920000	
	022930000	
	022940000	
	022950000	
	022960000	
	022970000	
	022980000	
	022990000	
	023000000	
	023010000	
	023020000	
	023030000	
	023040000	
	023050000	
	023060000	
	023070000	
	023080000	
	023090000	
	023100000	
	023110000	
	023120000	
	023130000	
	023140000	
	023150000	
	023160000	
	023170000	
	023180000	
	023190000	
	023200000	
	023210000	
	023220000	
	023230000	
	023240000	
	023250000	
	023260000	
	023270000	
	023280000	
	023290000	
	023300000	
	023310000	
	023320000	
	023330000	
	023340000	
	023350000	
	023360000	
	023370000	
	023380000	
	023390000	
	023400000	
	023410000	
	023420000	
	023430000	
	023440000	
	023450000	
	023460000	
	023470000	
	023480000	
	023490000	
	023500000	
	023510000	
	023520000	
	023530000	
	023540000	
	023550000	
	023560000	
	023570000	
	023580000	
	023590000	
	023600000	
	023610000	
	023620000	
	023630000	
	023640000	
	023650000	
	023660000	
	023670000	
	023680000	
	023690000	
	023700000	
	023710000	
	023720000	
	023730000	
	023740000	
	023750000	
	023760000	
	023770000	
	023780000	
	023790000	
	023800000	
	023810000	
	023820000	
	023830000	
	023840000	
	023850000	
	023860000	
	023870000	
	023880000	
	023890000	
	023900000	
	023910000	
	023920000	
	023930000	
	023940000	
	023950000	
	023960000	
	023970000	
	023980000	
	023990000	
	024000000	
	024010000	
	024020000	
	024030000	
	024040000	
	024050000	
	024060000	
	024070000	
	024080000	
	024090000	
	024100000	
	024110000	
	024120000	
	024130000	
	024140000	
	024150000	
	024160000	
	024170000	
	024180000	
	024190000	
	024200000	
	024210000	
	024220000	
	024230000	
	024240000	
	024250000	
	024260000	
	024270000	
	024280000	
	024290000	
	024300000	
	024310000	
	024320000	
	024330000	
	024340000	
	024350000	
	024360000	
	024370000	
	024380000	
	024390000	
	024400000	
	024410000	
	024420000	
	024430000	
	024440000	
	024450000	
	024460000	
	024470000	
	024480000	
	024490000	
	024500000	
	024510000	
	024520000	
	024530000	
	024540000	
	024550000	
	024560000	
	024570000	
	024580000	
	024590000	
	024600000	
	024610000	
	024620000	
	024630000	
	024640000	
	024650000	
	024660000	
	024670000	
	024680000	
	024690000	
	024700000	
	024710000	
	024720000	
	024730000	
	024740000	
	024750000	
	024760000	
	024770000	
	024780000	
	024790000	
	024800000	
	024810000	
	024820000	
	024830000	
	024840000	
	024850000	
	024860000	
	024870000	
	024880000	
	024890000	
	024900000	
	024910000	
	024920000	
	024930000	
	024940000	
	024950000	
	024960000	
	024970000	
	024980000	
	024990000	
	025000000	
	025010000	
	025020000	
	025030000	
	025040000	
	025050000	
	025060000	
	025070000	
	025080000	
	025090000	
	025100000	
	025110000	
	025120000	
	025130000	
	025140000	
	025150000	
	025160000	
	025170000	
	025180000	
	025190000	
	025200000	
	025210000	
	025220000	
	025230000	
	025240000	
	025250000	

STATIONS

CODE

BRANT ISLAND SHOAL	0500200000	
BRANT SLOUGH	0501000000	
BRANT ISLAND (HORSESHOE)	0500110000	
WEST OF BLUFF	0500120000	
LOWER MIDDLE GROUND	0500130000	
INNER MIDDLE GROUND	0500140000	
UPPER MIDDLE GROUND	0500150000	
PAMLICO RIVER LIGHT	0500160000	02
EAST BLUFF	0500170000	
GULL ROCK	0500180000	0B13
LONG SHOAL	0500190000	P11
GIBBS SHOAL	0500200000	
SEVEN FOOT PATCH	0500210000	
RACCOON ISLAND	0500220000	
OFFSHORE OLIVER REEF	0500230000	
GULL ISLAND	0500240000	
	0500250000	
	0500260000	
	0500270000	
	0500280000	
	0500290000	
	0500300000	
	0500310000	
	0500320000	
	0500330000	
	0500340000	
	0500350000	
	0500360000	
	0500370000	
	0500380000	
	0500390000	
	0500400000	
	0500410000	
	0500420000	
	0500430000	
	0500440000	
	0500450000	
	0500460000	
	0500470000	
	0500480000	
	0500490000	
	0500500000	
	0500510000	
	0500520000	
	0500530000	
	0500540000	
	0500550000	
	0500560000	
	0500570000	
	0500580000	
	0500590000	
	0500600000	
	0500610000	
	0500620000	
	0500630000	
	0500640000	
	0500650000	
	0500660000	
	0500670000	
	0500680000	
	0500690000	
	0500700000	
	0500710000	
	0500720000	
	0500730000	
	0500740000	
	0500750000	
	0500760000	
	0500770000	
	0500780000	
	0500790000	
	0500800000	
	0500810000	
	0500820000	
	0500830000	
	0500840000	
	0500850000	
	0500860000	
	0500870000	
	0500880000	
	0500890000	
	0500900000	
	0500910000	
	0500920000	
	0500930000	
	0500940000	
	0500950000	
	0500960000	
	0500970000	
	0500980000	
	0500990000	
	0501000000	
	0501010000	
	0501020000	
	0501030000	
	0501040000	
	0501050000	
	0501060000	
	0501070000	
	0501080000	
	0501090000	
	0501100000	
	0501110000	
	0501120000	
	0501130000	
	0501140000	
	0501150000	
	0501160000	
	0501170000	
	0501180000	
	0501190000	
	0501200000	
	0501210000	
	0501220000	
	0501230000	
	0501240000	
	0501250000	
	0501260000	
	0501270000	
	0501280000	
	0501290000	
	0501300000	
	0501310000	
	0501320000	
	0501330000	
	0501340000	
	0501350000	
	0501360000	
	0501370000	
	0501380000	
	0501390000	
	0501400000	
	0501410000	
	0501420000	
	0501430000	
	0501440000	
	0501450000	
	0501460000	
	0501470000	
	0501480000	
	0501490000	
	0501500000	
	0501510000	
	0501520000	
	0501530000	
	0501540000	
	0501550000	
	0501560000	
	0501570000	
	0501580000	
	0501590000	
	0501600000	
	0501610000	
	0501620000	
	0501630000	
	0501640000	
	0501650000	
	0501660000	
	0501670000	
	0501680000	
	0501690000	
	0501700000	
	0501710000	
	0501720000	
	0501730000	
	0501740000	
	0501750000	
	0501760000	
	0501770000	
	0501780000	
	0501790000	
	0501800000	
	0501810000	
	0501820000	
	0501830000	
	0501840000	
	0501850000	
	0501860000	
	0501870000	
	0501880000	
	0501890000	
	0501900000	
	0501910000	
	0501920000	
	0501930000	
	0501940000	
	0501950000	
	0501960000	
	0501970000	
	0501980000	
	0501990000	
	0502000000	
	0502010000	
	0502020000	
	0502030000	
	0502040000	
	0502050000	
	0502060000	
	0502070000	
	0502080000	
	0502090000	
	0502100000	
	0502110000	
	0502120000	
	0502130000	
	0502140000	
	0502150000	
	0502160000	
	0502170000	
	0502180000	
	0502190000	
	0502200000	
	0502210000	
	0502220000	
	0502230000	
	0502240000	
	0502250000	
	0502260000	
	0502270000	
	0502280000	
	0502290000	
	0502300000	
	0502310000	
	0502320000	
	0502330000	
	0502340000	
	0502350000	
	0502360000	
	0502370000	
	0502380000	
	0502390000	
	0502400000	
	0502410000	
	0502420000	
	0502430000	
	0502440000	
	0502450000	
	0502460000	
	0502470000	
	0502480000	
	0502490000	
	0502500000	
	0502510000	
	0502520000	
	0502530000	
	0502540000	
	0502550000	
	0502560000	
	0502570000	
	0502580000	
	0502590000	
	0502600000	
	0502610000	
	0502620000	
	0502630000	
	0502640000	
	0502650000	
	0502660000	
	0502670000	
	0502680000	
	0502690000	
	0502700000	
	0502710000	
	0502720000	
	0502730000	
	0502740000	
	0502750000	
	0502760000	
	0502770000	
	0502780000	
	0502790000	
	0502800000	
	0502810000	
	0502820000	
	0502830000	
	0502840000	
	0502850000	
	0502860000	
	0502870000	
	0502880000	
	0502890000	
	0502900000	
	0502910000	
	0502920000	
	0502930000	
	0502940000	
	0502950000	
	0502960000	
	0502970000	
	0502980000	
	0502990000	
	0503000000	
	0503010000	
	0503020000	
	0503030000	
	0503040000	
	0503050000	
	0503060000	
	0503070000	
	0503080000	
	0503090000	
	0503100000	
	0503110000	
	0503120000	
	0503130000	
	0503140000	
	0503150000	
	0503160000	
	0503170000	
	0503180000	
	0503190000	
	0503200000	
	0503210000	
	0503220000	
	0503230000	
	0503240000	
	0503250000	
	0503260000	
	0503270000	
	0503280000	
	0503290000	
	0503300000	
	0503310000	
	0503320000	
	0503330000	
	0503340000	
	0503350000	
	0503360000	
	0503370000	
	0503380000	
	0503390000	
	0503400000	
	0503410000	
	0503420000	
	0503430000	
	0503440000	
	0503450000	
	0503460000	
	0503470000	
	0503480000	
	0503490000	
	0503500000	
	0503510000	
	0503520000	
	0503530000	
	0503540000	
	0503550000	
	0503560000	
	0503570000	
	0503580000	
	0503590000	
	0503600000	
	0503610000	
	0503620000	
	0503630000	
	0503640000	
	0503650000	
	0503660000	
	0503670000	
	0503680000	
	0503690000	
	0503700000	
	0503710000	
	0503720000	
	0503730000	
	0503740000	
	0503750000	
	0503760000	

WILEY

Location	Value	Location	Value
OFF PORTSMOUTH ISLAND	0500350000	FC5A	0513000000
CRAB HOLE	0501120000	WB1 WB2 WB5 WB7 WB12 3F3	0514010000
OFF STUMPY POINT	0501370000	WB4	0514030000
STUMPY POINT BAY	0501900000	WB3 WB6 WB3A	0514040000
PARCHED CORN BAY	0502000000	WB10	0514050000
LONG SHOAL RIVER	0502000000	WB11 WB4A	0514050100
PAIRS BAY	0502010000	WB2	0514050000
DEEP CREEK	0502020000	WB8	0515000000
BROAD CREEK	0502030000	OC2 3F1 3F2	0516000000
CUMBERLAND CREEK	0502040000	3E1	0516010000
MUDDY CREEK	0502050000	3E1	0516010300
OTTER CREEK	0502060000	N18 N110	0516010400
BERRYS BAY	0502070000	OC4	0516020000
FAR CREEK	0502080000	OC1	0516040000
WAUPOIN CREEK	0502090000	OC3	0516060000
KITTY CREEK	0502100000	JB4	0516060000
OYSTER CREEK	0502110000	JB2 JB5 JB7 JB9	0516060000
LONG TREE CREEK	0502120000	JB6	0516060000
BURBUS CREEK	0502130000	JB1	0516060000
MIDDLETON ANCHORAGE	0502140000	JB3	0516060000
MIDDLETOWN CREEK	0502150000	4F10	0516060000
CEDAR CREEK	0502160000	50R2 50R6 50R8-50R10 P3 4F9	
BACK CREEK	0502170000		
JEANETTE CREEK	0502180000		
FEDS CREEK	0502190000		
BROOKS CREEK	0502200000		
WYBICKING BAY	0502210000		
LONG CREEK	0502220000		
LAKE LANDING CANAL	0502230000		
DOUGLAS BAY	0502240000		
OLD HILL BAY	0502250000		
MT. PLEASANT BAY (HICKORY CREEK BAY)	0502260000		
HICKORY CREEK	0502270000		
BROWNS ISLAND BAY	0502280000		
MIDDLE CREEK	0502290000		
OUTFALL CANAL	0502300000		
LAKE MATTAMUSKEET	0502310000		
BOUNDARY CANAL	0502320000		
FAIRFIELD CANAL	0502330000		
CARTERS CANAL	0502340000		
WEST MAIN CANAL	0502350000		
MANAGEMENT IMPROVEMENTS	0502360000		
JUNIPER CREEK	0502370000		
EAST BLUFF BAY	0502380000		
HARBOR CREEK	0502390000		
WEST BLUFF BAY	0502400000		
CURNING HARBOR	0502410000		
JUNIPER BAY	0502420000		
LAUREL CREEK	0502430000		
BUCK CREEK	0502440000		
DOE CREEK	0502450000		
NORTHWEST CREEK	0502460000		
RATTLESNAKE CREEK	0502470000		
JUNIPER BAY (JUDGES)	0502480000		
QUARTER CANAL	0502490000		
SWANQUARTER BAY	0502500000		

WATER

CROOKED CREEK
PUNGO RIVER

AREAS WITHIN PUNGO RIVER PROPER
SNOW PT/O.F.D./F.C. W/OUT
DRY/PNGO PT-SNDS/OUTP
UPSTREAM DIRT/PUNGO PT
UPSTREAM DIRT/PUNGO PT
PUNGO RIVER CANAL

FORTESQUE CREEK

DIXON CREEK
SALT PIT CREEK
OLD FIELD CREEK
LOG CREEK
ISLAND CREEK
PASTURE CREEK
WARNER CREEK
COX CREEK
SNELL CREEK
SEER CREEK
FORTESQUE TRIP. A
RUNWAY CREEK

SLADE CREEK

ALLISON CREEK
FOREMAN CR

CHURCH CREEK

SPEER GUT

SPEER CREEK
RAFFING CREEK
JONES CREEK
SPELLMAN CREEK
WOOD CREEK
NEAL CREEK
BECKY CREEK
JARVIS CREEK

FISHING CREEK

SMITH CREEK

CORRENSON CREEK

SCRANTON CREEK

TARYLN CREEK

GALLOWAY CREEK

HORSE ISLAND CREEK

POSTER CREEK

DIP CREEK

WILKERSON CREEK

IWA

RUTMAN CREEK

BACK LANDING BAY

QUEEN CREEK

CRABTREE BAY

RUSSEL CREEK

MT. OLIVE CREEK

CLARK MILL CREEK

CANAL D

KNIGHTS CREEK

HERRING RUN

LOUES DITCH CREEK

Station Code

STATIONS

PUR19

231S 23A 5E20 PUR1S PUR25-PUR27

231S 222 5L14

200 201 202 203S 204 208 4E1 4E2 5E8

101 8F2 8F3 8F7 F3 F4 F7 PUR10(S) PPR1

5E5 8F6 82 PPR2

228 230 5F22 PUR4 PUR22 PUR23 PUR24

PUR17

PUR19

229 PURS

PUR10

225 227 5F23 PUR3

PUR20

PUR21

226 PURT

220

4F2

205 4F1 PPR4 PUR12

4E3

4E4

CMC2

C4

1984

WATER

STATIONS

CODE

COW GUT	0520062060	
SHALLOP CREEK	0520062100	
PINEY GROVE RUN	0520062200	
STYRON CREEK	0520062300	
SOPIE ISLAND CREEK	0520062400	
BATEMAN CREEK	0520062500	
CRACKED CREEK	0520062600	
UPPER DOWRY CREEK	0520062700	
FLAX POND	0520062800	
LOWER DOWRY CREEK	0520062900	
BALLALINA CREEK	0520063000	
TODLEYS CREEK	0520063100	
PAHTEGO CREEK	0520063200	
CUCEROLD'S CREEK	0520063201	
SHOENAKER CREEK	0520063202	
INGERS CREEK	0520063203	
BROAD CREEK	0520063204	
CLARK CREEK	0520063205	
DEEP RUN	0520063206	
OLIVAYE POINT CREEK	0520063207	
EAST BISHOP SWP CANAL	0520063300	
PURGO CREEK	0520063301	
VALE CREEK	0520063302	
SCOTT CREEK	0520063303	
SMITH CREEK	0520063304	
JACK CREEK	0520063305	
LITTLE CREEK	0520063306	
STARROWS GUT	0520063307	
JORDAN CREEK	0520063308	
SPRING CREEK	0520063309	
SNEDDERER GUT	0520063310	
ALLIGATOR GUT	0520063311	
SATTERTHWAITE CREEK	0520063312	
UNNAMED NORTH TRIP	0520063313	
UNNAMED SOUTH TRIP	0520063314	
WRIGHTS CREEK	0520063315	
NORTH FRONT	0520063316	
SOUTH FRONT	0520063317	
BRADLEY GUT	0520063318	
GREAT CUT	0520063319	
PURGO LAKE CANAL	0520063320	
PURGO LAKE	0520063321	
DIKE CANAL	0520063322	
DUCK PEN RD. DITCH	0520063323	
PROPERTY LINE CANAL	0520063324	
VAN STAALHUYSEN CANAL	0520063325	
SOUTH PURGO CANAL	0520063326	
NORTH PURGO CANAL	0520063327	
ALLEN CANAL	0520063328	
DUCK PEN PT. CANAL	0520063329	
CANAL B (TO PHELPS)	0520063330	
NORTH CREEK	0520063331	
FRYINGPAN CREEK	0520063332	

WATER

STATIONS	CODE
150 FAR10 FAR20	0528100200
FAR1	0528100201
FAR2	0528100202
FAR3	0528100300
FAR17	0528100400
FAR22	0528100500
151 FAR1	0528100600
FAR35	0528100700
FAR9	0528100800
153 134 135 163 FAR8	0528100900
154 134 135 163 FAR8	0528101000
155 134 135 163 FAR8	0528101100
156 134 135 163 FAR8	0528101200
157 134 135 163 FAR8	0528101300
158 134 135 163 FAR8	0528101400
159 134 135 163 FAR8	0528101500
160 134 135 163 FAR8	0528101600
161 134 135 163 FAR8	0528101700
162 134 135 163 FAR8	0528101800
163 134 135 163 FAR8	0528101900
164 134 135 163 FAR8	0528102000
165 134 135 163 FAR8	0528102100
166 134 135 163 FAR8	0528102200
167 134 135 163 FAR8	0528102300
168 134 135 163 FAR8	0528102400
169 134 135 163 FAR8	0528102500
170 134 135 163 FAR8	0528102600
171 134 135 163 FAR8	0528102700
172 134 135 163 FAR8	0528102800
173 134 135 163 FAR8	0528102900
174 134 135 163 FAR8	0528103000
175 134 135 163 FAR8	0528103100
176 134 135 163 FAR8	0528103200
177 134 135 163 FAR8	0528103300
178 134 135 163 FAR8	0528103400
179 134 135 163 FAR8	0528103500
180 134 135 163 FAR8	0528103600
181 134 135 163 FAR8	0528103700
182 134 135 163 FAR8	0528103800
183 134 135 163 FAR8	0528103900
184 134 135 163 FAR8	0528104000
185 134 135 163 FAR8	0528104100
186 134 135 163 FAR8	0528104200
187 134 135 163 FAR8	0528104300
188 134 135 163 FAR8	0528104400
189 134 135 163 FAR8	0528104500
190 134 135 163 FAR8	0528104600
191 134 135 163 FAR8	0528104700
192 134 135 163 FAR8	0528104800
193 134 135 163 FAR8	0528104900
194 134 135 163 FAR8	0528105000
195 134 135 163 FAR8	0528105100
196 134 135 163 FAR8	0528105200
197 134 135 163 FAR8	0528105300
198 134 135 163 FAR8	0528105400
199 134 135 163 FAR8	0528105500
200 134 135 163 FAR8	0528105600
201 134 135 163 FAR8	0528105700
202 134 135 163 FAR8	0528105800
203 134 135 163 FAR8	0528105900
204 134 135 163 FAR8	0528106000
205 134 135 163 FAR8	0528106100
206 134 135 163 FAR8	0528106200
207 134 135 163 FAR8	0528106300
208 134 135 163 FAR8	0528106400
209 134 135 163 FAR8	0528106500
210 134 135 163 FAR8	0528106600
211 134 135 163 FAR8	0528106700
212 134 135 163 FAR8	0528106800
213 134 135 163 FAR8	0528106900
214 134 135 163 FAR8	0528107000
215 134 135 163 FAR8	0528107100
216 134 135 163 FAR8	0528107200
217 134 135 163 FAR8	0528107300
218 134 135 163 FAR8	0528107400
219 134 135 163 FAR8	0528107500
220 134 135 163 FAR8	0528107600
221 134 135 163 FAR8	0528107700
222 134 135 163 FAR8	0528107800
223 134 135 163 FAR8	0528107900
224 134 135 163 FAR8	0528108000
225 134 135 163 FAR8	0528108100
226 134 135 163 FAR8	0528108200
227 134 135 163 FAR8	0528108300
228 134 135 163 FAR8	0528108400
229 134 135 163 FAR8	0528108500
230 134 135 163 FAR8	0528108600
231 134 135 163 FAR8	0528108700
232 134 135 163 FAR8	0528108800
233 134 135 163 FAR8	0528108900
234 134 135 163 FAR8	0528109000
235 134 135 163 FAR8	0528109100
236 134 135 163 FAR8	0528109200
237 134 135 163 FAR8	0528109300
238 134 135 163 FAR8	0528109400
239 134 135 163 FAR8	0528109500
240 134 135 163 FAR8	0528109600
241 134 135 163 FAR8	0528109700
242 134 135 163 FAR8	0528109800
243 134 135 163 FAR8	0528109900
244 134 135 163 FAR8	0528110000

APPENDIX B WATER RUN, LUBES AND STATION CODES - Unit 101

WATER

OTTER CREEK

TYSON CREEK

SAMS BRANCH

HARRIS MILL RUN

GREENS CREEK

HARDEE CREEK

CHICOD CREEK

BEAR CREEK

CARRON SWAMP

SWIFT CREEK

BEECH BRANCH

COMPASS CREEK

STONY CREEK

SAPPONY CREEK

HARTS MILL RUN

CUMBLICK BRANCH

RODRAN CREEK

CHOCOMINITY BAY

CEGAR CREEK

TAYLOR CREEK

CRAWFOR CREEK

CHOCOMINITY CREEK

SIDNEY CREEK

SILAS CREEK

RICE CREEK

CALS CREEK

HILLS CREEK

TAYLOR GUT

BLOUNTS BAY

BLOUNTS CREEK

YEATS CREEK

DUPREE CREEK

LITTLE CREEK

SHEPARD RUN

NANDY RUN

HERRING RUN

YELLOWBANK CUT

ALLIGATOR GUT

NEVIL CREEK

JACK CREEK

LEWIS GUT

CUPLER SLOUGHS

TAYLOR BRANCH

BARRIS CREEK

HILL GUT

DURHAM CREEK

GRONN RUN

CRAWFORD HILL RUN

TAN SWAMP

PORTER CREEK

HUDDLES GUT

SOUTH CREEK

TOOLEY CREEK

JACOBS CREEK

CODE

STATIONS

0520201001

0520201100

0520201101

0520201200

0520201300

0520201400

0520201500

0520201600

0520201700

0520201800

0520201900

0520202000

0520202100

0520202200

0520202300

0520202400

0520202500

0520202600

0520202700

0520202800

0520202900

0520203000

0520203100

0520203200

0520203300

0520203400

0520203500

0520203600

0520203700

0520203800

0520203900

0520204000

0520204100

0520204200

TTN6

TCC1

TCC2

TTY1

TTY2

TNC1

104 TCC1-TCC3

TBC1

TCS1

1501-TSC4

TEB1

TCH1

TCH1

TCH1

TCL1

PE01

113 114

PCC1

PHC1

PHC1

PHC1

PHC1

PHC1

PHC1

PHC1

PHC1

PHC1

PHC1

PHC1

PHC1

PHC1

PHC1

PHC1

PHC1

WATER

BRINKWATER CREEK

JACKS CREEK

WHITENURST CREEK

BATLEY CREEK

BROOKFIELD SWAMP CREEK

CYPRESS RIVER

GUM SWAMP LUN

LITTLE CREEK

SHORT CREEK

LONG CREEK

BOND CREEK

FLANNIGAN GUT

ALLIGATOR GUT

MUDDY CREEK

WILSON GUT

SHEEPSKIN CREEK

ROBBIN GUT

DAVIS CREEK

STRAUBORN CREEK

CYPRESS CREEK

EAST PRONG

GOOSE CREEK

HAYLER CREEK

LOWER SPRING CREEK

BETTY CREEK (DOG CREEK)

PETERSON CREEK

SNODE CREEK

CAMPBELL CREEK

PASTURE GUT

SMITH CREEK

CUFF FARLIN GUT

UPPER SPRING CREEK

COW GALLUS CREEK

HARTING CREEK

EASTHAM CREEK

SLADE LANDING CREEK

MALLARD CREEK

MUD GUT

WILKERSON CREEK

DIXON CREEK

OYSTER CREEK-MIDDLE PRONG

OYSTER CREEK

DUCK CREEK

JAMES CREEK

CLARK CREEK

MIDDLE PRONG

MOUSE HARBOR

LONG CREEK

LIGHT HOUSE CREEK

MOUSE HARBOR DITCH

CEDAR CREEK

ISLAND CREEKS

SOUTHWARD BAY

LITTLE PORPOISE BAY

BIG PORPOISE BAY

PORPOISE CREEK

0520772201

0520772300

0520772400

0520772500

0520772600

0520772700

0520772800

0520772900

0520773000

0520773100

0520773200

0520773300

0520773400

0520773500

0520773600

0520773700

0520773800

0520773900

0520774000

0520774100

0520774200

0520774300

0520774400

0520774500

0520774600

0520774700

0520774800

0520774900

0520775000

0520775100

0520775200

0520775300

0520775400

0520775500

0520775600

0520775700

0520775800

0520775900

0520776000

0520776100

0520776200

0520776300

0520776400

0520776500

0520776600

0520776700

0520776800

0520776900

0520777000

0520777100

0520777200

0520777300

0520777400

0520777500

0520777600

0520777700

0520777800

0520777900

0520778000

PAR32

PAR30

PAR26

147 PAR14

PAR24

PAR23

148 PAR13

PAR25

PAR16

A9 A13 A15 S88 S89

A1

A2 S86

A3

A4 A5

A6 A8

A7

A16

A10 A11 S97

A12

A14

A52

A20 A51 S90

A53

A54 A55 S91

A58 A59 S93

A56 A57 S92

R13 S97

R10

R11 R12 S96

R19 S99

R22 S98

R20 R21 S95

WATER

	CODE	STATIONS
MIDDLE BAY	0530000000	B33 S85 S94
LITTLE OYSTER CREEK (BLACK DUCK CREEK)	0530000000	B30 S84
CAPPS CREEK	0530000000	B71
MIDDLE BAY CREEK	0530000000	B32
FISHING BAY	0530000000	B39
JONES BAY	0530000000	B41 B42 B46 S83 JB11 JB14 JB12 JB15
LITTLE DRUM CREEK	0530000000	B49
LITTLE EVE CREEK	0530000000	B52
DRUM CREEK	0530000000	B45
DITCH CREEK	0530000000	B43 B44 S81 JB13
DOUDY CREEK	0530000000	
SHEEPNECK CREEK	0530000000	
UPPER JONES BAY CREEK	0530000000	B40 S82
ROCK HOLE BAY	0530000000	B11 B5 H20 CN13 S70 S78
DUMP CREEK	0530000000	CN7
TWU-GALE CREEK	0530000000	CN6
DUTCH CREEK	0530000000	CN8 S79
RACCOON CREEK	0530000000	
JUMP OVER CREEK	0530000000	
GALE CREEK	0530000000	
WHEALTON CREEK	0530000000	
TAR CREEK	0530000000	
CHADWICK CREEK	0530000000	
BEAR CREEK	0530000000	
RIGGS CREEK	0530000000	
LITTLE BEAR CREEK	0530000000	
BLOSSOM FOND CREEK	0530000000	
OYSTER CREEK	0530000000	
HARRIS CREEK	0530000000	
MESIC CREEK	0530000000	
VANDEMERE CREEK	0530000000	
VANDEMERE CREEK	0530000000	
VANDEMERE CREEK	0530000000	
LONG CREEK	0530000000	
CEDAR CREEK	0530000000	
LOG FOND CREEK	0530000000	
SMITH CREEK	0530000000	
UNNAMED TRIBUTARY	0530000000	
HARPER CREEK	0530000000	
CHAPEL CREEK	0530000000	
BEE TREE CREEK	0530000000	
RACCOON CREEK	0530000000	
TRENT CREEK	0530000000	
ALLIGATOR CREEK	0530000000	
THOMAS CREEK	0530000000	
NASON CREEK	0530000000	
MOORE CREEK	0530000000	
LITTLE PASTURE CREEK	0530000000	
RICE CREEK	0530000000	
BALL CREEK	0530000000	
PASTURE CREEK	0530000000	
SIMPSON CREEK	0530000000	
CABIN CREEK	0530000000	
BONNER BAY	0530000000	
RIGGS CREEK	0530000000	

CN11 CN12 A01-A09 B01-B09 C01-C09 D01-D09
 A01C-A04C B01C-B03C C01C-C08C D07C D09C A01S-A19S
 B01S-B18S C01S-C18S D01S-D21S NBR1
 D01C-D08C
 E10C-D12C

CS12 CS14 NBR2
 CS11

CS10
 CS13
 CS1
 CS2 CS5
 CS2
 CS4 S72 S74
 D1 D9

WATER

WATER BODY	CODE	STATIONS
SAVANNAH CREEK	053 010101	
CORNEL CREEK	053 010102	02
SPRING CREEK	053 010200	03 D4 D10
HORTON CREEK	053 010201	
RICHARDSON CREEK	053 010202	
IVES CREEK	053 010203	05 S75
WYMAN CREEK	053 010204	06 D7 S76
LONG CREEK	053 010300	
COW GALLUS CREEK	053 010301	
DIPPING VAL CREEK	053 010302	08 S77
SHEEPHEAD CREEK	053 010400	
BARNES CREEK	053 020000	
POTTER CREEK	053 020000	
SWINDELL BAY	053 020000	
NORTH PRONG	053 020000	
SOUTH PRONG	053 020000	
NEUSE RIVER	053 020000	
AREAS WITHIN NEUSE RIVER PROPER	053 020000	
ROUTE TO CHERRY PT/WILKINSON PT.	053 020100	F23 M6-M11
CHERRY PT/WILK. PT TO NEW BERN	053 020200	4170 4180 4200 421 422S 434 437S NR15
CHERRY PT/WILK. PT TO NEW BERN	053 020200	NR33 NR4 NR12S NR13S M12-M16
ADOVE NEW BERN	053 020300	400 401 402S 403 404 406-409 410S 411
ADOVE NEW BERN	053 020300	413-416 N1 N2 NNR01-NNR26
MAW BAY-MAW POINT	053 020400	
SWAN CREEK	053 020500	E11-E13 S68 S69
BROAD CREEK	053 020600	005 BC13 BC15 BC16 E12 E14 NRC1 RC11 S61-S63 S66
CEDAR CREEK	053 020700	S65
MILL CREEK	053 020800	E13 S64
PARRIS CREEK	053 020900	
TAR CREEK	053 021000	
GIDEAN CREEK	053 021100	E10 RC11
UPPER BROAD CREEK	053 021200	RC1
SHIP CREEK	053 021300	E11 NRC2
BROWN CREEK	053 021400	
SPICE CREEK	053 021500	
PASTURE CREEK	053 021600	E16
BARTON CREEK	053 021700	BC3 BC14 E15 S67
FITTHAN CREEK	053 021800	
GREEN CREEK	053 021900	
COFFEE CREEK	053 022000	
GUM THICKET CREEK	053 022100	
ORCHARD CREEK	053 022200	F2 F5 A1-AD B1-B8 C1-C8
PASTURE CREEK	053 022300	S60
BRIGHT CREEK	053 022400	F1 D1-DB
OLD HOUSE CREEK	053 022500	
PIERCE CREEK	053 022600	
WHITTAKER CREEK	053 022700	F3 F3D F3N S59
GREENS CREEK	053 022800	F4 S58
CAMP CREEK	053 022900	F13 F14 NGC1 S53 S54 S57 S56 S55
SMITH CREEK	053 023000	F10 F11 NGC2
HORNIS CREEK	053 023100	
KERSHAM CREEK	053 023200	F12 NGC3
UNPAVED CREEK (F-14A)	053 023300	
SHOP GUT	053 023400	F15
DRAWHORN CREEK	053 023500	
DAWSON CREEK	053 023600	F21 F22 NRC1

WATER

STATIONS

WATER BODY	CODE	STATIONS
TARKLIN CREEK	0535 00100	F20
DEEP RUN	0535 00200	NDC2
BEARD CREEK	0535 00300	428 429 430 NR7 NR85 L1 L2 NR81
GOOSE CREEK	0535 00400	426 427 NR6 NR8 L3 NR31-NGS3
UPPER BROAD CREEK	0535 00500	424 425 L4 NUB1-NUB3
NORTHWEST CREEK	0535 00600	423 L5 NHC1
DUCK CREEK	0535 00700	419 NR2 NDK1
SLOCUM CREEK	0535 00800	431 433 NR93 K3 K4
ANDERSON CREEK	0535 00900	NR10
TUCKER CREEK	0535 01000	432 NDC1
SOUTHWEST PRONG	0535 01100	NSC2
EAST PRONG	0535 01200	NSC3
HANCOCK CREEK	0535 01300	435 436 NR11 K1 K2 NHC1
REEDS GUT	0535 01400	
STILL GUT	0535 01500	
CARDUQUE CREEK	0535 01600	
CLUBFOOT CREEK	0535 01700	NHC2
MITCHELL CREEK	0535 01800	H2 H3 H5
MORTONS MILL FOND	0535 01900	H1
GULDEN CREEK	0535 02000	S3
HARLOWE CANAL	0535 02100	H4
LONG CREEK	0535 02200	HCC1
COURTS CREEK	0535 02300	
ADAMS CREEK	0535 02400	621 622 122 523 525
GODFREY CREEK	0535 02500	524
DELAHAR CREEK	0535 02600	
KELLIN CREEK	0535 02700	
KEARNEY CREEK	0535 02800	522
ISAAC CREEK	0535 02900	620 121
RACK CREEK (BLACK CREEK)	0535 03000	
CEDAR CREEK	0535 03100	619 526
JONAGUIN CREEK	0535 03200	
DUMPLING CREEK	0535 03300	
SANDY HUSS CREEK	0535 03400	
GARBACON CREEK	0535 03500	613 NSR1
SOUTH RIVER	0535 03600	615
HARDY CREEK	0535 03700	111 616
BIG CREEK	0535 03800	611
SOUTHWEST CREEK	0535 03900	612
EASTMAN CREEK	0535 04000	113 610
HEADWATERS	0535 04100	614 527
HORTON BAY	0535 04200	
BROWN CREEK	0535 04300	54 61 539 540
TURNAGAIN BAY	0535 04400	
ABRAHAM BAY	0535 04500	
BROAD CREEK	0535 04600	
RIC GUT	0535 04700	
DEEP GUT	0535 04800	52
OLD CANAL	0535 04900	538
PARSON'S CREEK	0535 05000	63 528
HEADWATERS	0535 05100	
TUMP GUT	0535 05200	
MULBERRY PT CREEK	0535 05300	
SWIFT CREEK	0535 05400	412 NSW1-NSW5
PITCHNETTLE CREEK	0535 05500	NSW6 NSU7 NSW8
	0535 05600	4055 NPK1 NPK2

10:39 WEDNESDAY, MAY 2,

2 MAY 1984

STATION CODES

WATER BODY CODES AND

APPENDIX B

WATER

STATIONS

STATION	CODE	STATION	CODE
TURKEY QUARTER CREEK	0535070000	TUR1-RTQ3	
TAYLOR'S CREEK	0535070000	RTQ1	
WACHELOR CREEK	0535070000	RTQ1-NBA4	
TRENT RIVER	0535070000	500 508 512 N3 NA TTR1-TTR8	
BRIDGES CREEK	0535070000	513 514 TTR1-TTR4	
HODGE CREEK	0535070000		
REEDY BRANCH	0535070000		
WILSON CREEK	0535070000		
HAYWARD CREEK	0535070000		
ROCKY RUP	0535070000		
MIRY HOLE BRANCH	0535070000		
ISLAND CREEK	0535070000		
LONG BRANCH	0535070000		
MIDDY COVE	0535070000		
DEEP GULLY	0535070000		
SCOTT CREEK	0535070000		
RACCOON CREEK	0535070000		
BEAVER BRANCH	0535070000		
WEST PRONG	0535070000		
CLAYHILL BRANCH	0535070000		
WEST BRANCH	0535070000		
HILL CREEK	0535070000		
GORTIER BRANCH	0535070000		
LITTLE HELL CREEK	0535070000		
MILL RUP	0535070000		
LONG BRANCH	0535070000		
BEAVERDAN CREEK	0535070000		
JUMPING CREEK	0535070000		
FRENCH BRANCH	0535070000		
CROOKED RUP	0535070000		
MUSSELSHELL CREEK	0535070000		
RESOLUTION BRANCH	0535070000		
BEAVER CREEK	0535070000		
DEEP BOTTOM BRANCH	0535070000		
HEATH HILL RUP	0535070000		
TRACE BRANCH	0535070000		
RATTLESNAKE BRANCH	0535070000		
BIG CHINQUAPIN BRANCH	0535070000		
POPULAR BRANCH	0535070000		
POCOSON BRANCH	0535070000		
LITTLE CHINQUAPIN BRANCH	0535070000		
JACK CABIN BRANCH	0535070000		
HILL BRANCH	0535070000		
CYPRESS CREEK	0535070000		
TUCKAHOE CREEK	0535070000		
CEDAR BAY	0535070000		
RATTAN BAY	0535070000		
WADING CREEK	0535070000		
PINETREE CREEK	0535070000		
CORE CREEK (COVE CREEK)	0535070000		
KITTEN CREEK	0535070000		
VILLAGE CREEK	0535070000		
HALFMOON CREEK	0535070000		
GRINNEL SLOUGH	0535070000		
CONTENTINEA CREEK	0535070000		
LITTLE CONTENTINEA CREEK	0535070000		

WATER

APPENDIX B WATER BODY CODES AND STATION CODES 2 MAY 1984 10:39 WEDNESDAY, MAY 2, 84

	CODE	STATIONS
CEDAR ISLAND BAY	0601010000	91 91 000 552 551
BACK BAY	0601010100	
LEWIS CREEK	0601010101	92
SOUTHWEST PRONG	0601020000	549
RUMLEY BAY	0601020100	0011
EAST THOROFARE BAY	0601030000	545 546 547
BARRY BAY	0601031000	512 543
E. THOROFARE CK (MERKLE HAMMOCK)	0601030200	0010 544
CEDAR CREEK	0601050000	
STYRON BAY	0601050000	
GLOVER CREEK	0601070000	
NELSON BAY	0601070000	91 519
FULCHERS CREEK	0601090100	
LEWIS CREEK	0601100000	
WILLIS CREEK	0601000300	517
SALTIERS CREEK	0601000400	008
LONG BAY - NELSON BAY CHANNEL	0601000500	
BROAD CREEK	0601070000	
BRETT BAY	0601070000	
OYSTER CREEK	0601110000	007 515
SPIT BAY	0601120000	
JARRETT'S BAY	0601130000	0014 0019 72 512 513
SNYRNA CREEK	0601130100	006
GREAT CREEK	0601130200	
DUTCH COVE	0601130300	
SALTER CREEK	0601130400	
HOLLAND CREEK	0601130500	
WILLISTON CREEK	0601130600	
WADE CREEK	0601130700	
MIDDINS CREEK	0601140000	73
JUMP RUN	0601140100	
TUSK CREEK	0601140200	
GREAT MARSH CREEK	0601150000	
STRAITS	0601160000	53 51
WEST MOUTH BAY	0601160100	52
EAST MOUTH BAY	0601160200	
SLEEPY CREEK	0601160300	51
WHITEHURST CREEK	0601160400	
STRAITS CHANNEL	0601160500	
HARRIS'S POINT CHANNEL	0601160600	51
CORE BANKS AREAS OF CORE SOUND	0602000000	001-006 008 0014-0016 0019 0021 0023 0027 0028
CORE BANKS AREAS OF CORE SOUND	0602000000	00205 511 514 516 518 16 17 20
DRUM INLET	0602010000	007
GUN CLUB	0602020000	009 0010 19
SWASH INLET	0602030000	
GREAT ISLAND CREEK	0602030000	
GREAT ISLAND BAY	0602030000	18 0012 0013
JOHNSON CREEK (HAMMOCK)	0602030000	
LEWIS CREEK	0602030000	0020
CODDS CREEK	0602030000	0026
HOG PEN BAY	0602030000	44
BARDEN INLET	0602030000	52 15
WHITEHURST ISLAND	0602030000	001
CORE BANKS FLATS	0602030000	0017
HORSEPEN PT. (BAY)	0602030000	

STATIONS	CODE	STATIONS	CODE
BACK SOUND		HORSE CREEK	060140109
		HORSE ISLAND CREEK	060150000
		MULLET COVE	060160010
		SHEEP PEN CREEK	060170009
			060180000
			060190000
			060200000
			060210000
			060220000
			060230000
			060240000
			060250000
			060260000
			060270000
			060280000
			060290000
			060300000
			060310000
			060320000
			060330000
			060340000
			060350000
			060360000
			060370000
			060380000
			060390000
			060400000
			060410000
			060420000
			060430000
			060440000
			060450000
			060460000
			060470000
			060480000
			060490000
			060500000
			060510000
			060520000
			060530000
			060540000
			060550000
			060560000
			060570000
			060580000
			060590000
			060600000
			060610000
			060620000
			060630000
			060640000
			060650000
			060660000
			060670000
			060680000
			060690000
			060700000
			060710000
			060720000
			060730000
			060740000
			060750000
			060760000
			060770000
			060780000
			060790000
			060800000
			060810000
			060820000
			060830000
			060840000
			060850000
			060860000
			060870000
			060880000
			060890000
			060900000
			060910000
			060920000
			060930000
			060940000
			060950000
			060960000
			060970000
			060980000
			060990000
			061000000
			061010000
			061020000
			061030000
			061040000
			061050000
			061060000
			061070000
			061080000
			061090000
			061100000
			061110000
			061120000
			061130000
			061140000
			061150000
			061160000
			061170000
			061180000
			061190000
			061200000
			061210000
			061220000
			061230000
			061240000
			061250000
			061260000
			061270000
			061280000
			061290000
			061300000
			061310000
			061320000
			061330000
			061340000
			061350000
			061360000
			061370000
			061380000
			061390000
			061400000
			061410000
			061420000
			061430000
			061440000
			061450000
			061460000
			061470000
			061480000
			061490000
			061500000
			061510000
			061520000
			061530000
			061540000
			061550000
			061560000
			061570000
			061580000
			061590000
			061600000
			061610000
			061620000
			061630000
			061640000
			061650000
			061660000
			061670000
			061680000
			061690000
			061700000
			061710000
			061720000
			061730000
			061740000
			061750000
			061760000
			061770000
			061780000
			061790000
			061800000
			061810000
			061820000
			061830000
			061840000
			061850000
			061860000
			061870000
			061880000
			061890000
			061900000
			061910000
			061920000
			061930000
			061940000
			061950000
			061960000
			061970000
			061980000
			061990000
			062000000
			062010000
			062020000
			062030000
			062040000
			062050000
			062060000
			062070000
			062080000
			062090000
			062100000
			062110000
			062120000
			062130000
			062140000
			062150000
			062160000
			062170000
			062180000
			062190000
			062200000
			062210000
			062220000
			062230000
			062240000
			062250000
			062260000
			062270000
			062280000
			062290000
			062300000
			062310000
			062320000
			062330000
			062340000
			062350000
			062360000
			062370000
			062380000
			062390000
			062400000
			062410000
			062420000
			062430000
			062440000
			062450000
			062460000
			062470000
			062480000
			062490000
			062500000
			062510000
			062520000
			062530000
			062540000
			062550000
			062560000
			062570000
			062580000
			062590000
			062600000
			062610000
			062620000
			062630000
			062640000
			062650000
			062660000
			062670000
			062680000
			062690000
			062700000
			062710000
			062720000
			062730000
			062740000
			062750000
			062760000
			062770000
			062780000
			062790000
			062800000
			062810000
			062820000
			062830000
			062840000
			062850000
			062860000
			062870000
			062880000
			062890000
			062900000
			062910000
			062920000
			062930000
			062940000
			062950000
			062960000
			062970000
			062980000
			062990000
			063000000
			063010000
			063020000
			063030000
			063040000
			063050000
			063060000
			063070000
			063080000
			063090000
			063100000
			063110000
			063120000
			063130000
			063140000
			063150000
			063160000
			063170000
			063180000
			063190000
			063200000
			063210000
			063220000
			063230000
			063240000
			063250000
			063260000
			063270000
			063280000
			063290000
			063300000
			063310000
			063320000
			063330000
			063340000
			063350000
			063360000
			063370000
			063380000
			063390000
			063400000
			063410000
			063420000
			063430000
			063440000
			063450000
			063460000
			063470000
			063480000
			063490000
			063500000
			063510000
			063520000
			063530000
			063540000
			063550000
			063560000
			063570000
			063580000
			063590000
			063600000
			063610000
			063620000
			063630000
			063640000
			063650000
			063660000
			063670000
			063680000
			063690000
			063700000
			063710000
			063720000
			063730000
			063740000
			063750000
			063760000
			063770000
			063780000
			063790000
			063800000
			063810000
			063820000
			063830000
			063840000
			063850000
			063860000
			063870000
			063880000
			063890000
			063900000
			063910000
			063920000
			063930000
			063940000
			063950000
			063960000
			063970000
			063980000
			063990000
			064000000
			064010000
			064020000
			064030000
			064040000
			064050000
			064060000
			064070000
			064080000
			064090000
			064100000
			064110000
			064120000
			064130000
			064140000
			064150000
			064160000
			064170000
			064180000
			064190000
			064200000
			064210000
			064220000
			064230000
			06424000

WATER

IWW
DRUM SLOUGH

TAR LANDING BAY
HOOP POLE CREEK

FELTIER CREEK
SPOONERS CREEK

GALES CREEK
BROAD CREEK

SANDERS CREEK
GOOSE CREEK

ARCHER CREEK
DEER CREEK

BOGUE INLET

WHITE OAK RIVER

AREAS WITHIN WHITE OAK RIVER PROPER
WHITE OAK NARROWS

TURNSTAKE
OLD SWANSBORO CHANNEL

DUBLING CREEK
BOAT HOUSE CREEK

PETTIFORD CREEK BAY
PETTIFORD CREEK

STARKEY CREEK
WELLS CREEK

HUNTERS CREEK
SPRING BRANCH

HOLSTON CREEK
HOLLAND HILL CREEK

HARGETT'S CREEK
FOSTER'S BAY

QUEEN'S CREEK
BEAR CREEK

SEASIDE AREAS
HAMMOCK'S BEACH

IWW

NEW RIVER INLET
NEW RIVER

NEW RIVER BELOW 172 BRIDGE
SNELDS CREEK

FANNIE CREEK
WHEELER CREEK

ELLIS COVE
JERRET'S POINT

MIDDLE NEW RIVER
STORES BAY

EVERETT CREEK
STONES CREEK

MUDDY CREEK
MILL CREEK

EASTERN SHORE
WESTERN SHORE

CATFISH POINT

CODE STATIONS

0900000000 27 10 6

0900000000 11 33

0900000000 24

0900000000 30

0900000000 31

0900000000 23

0900000000 17 7

0900000000 28

0900000000 23

1000000000 3 21

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1 NR9 NR11 HR14 NR38-NR47

NR10

NR48

NR49

NR38 NR12 NR12-NR34 HR40 NR76

NR35

NR36

NR37

NR43

WATER

	CODE	STATIONS
RIFLE RANGE	120100109	
FANELL BAY	120100209	NR7 NR24 NR27 NR61-NR64
BLACK CREEK	120100201	NR29
FLEMING'S CREEK	120100202	NR6 NR29
LOAN CREEK	120100203	NR30
WHITEHURST CREEK	120100204	NR31
MORGAN BAY	120100300	NR22 NR27 NR65-NR69
BALLAGE CREEK	120100301	NR26 NR24
LEWIS CREEK	120100302	NR19
CHADWICK BAY	120100400	NR50-NR53
FULLARD CREEK	120100401	NR54 NR55
BIGLINS CREEK	120100402	NR56 NR57
CHARLES CREEK	120100403	NR58 NR59
UPPER NEW RIVER	120100500	
NEW RIVER	120100501	NR1-NR3 NR67-NR72
SOUTHWEST CREEK	120100502	NR5 NR18
NORTHEAST CREEK	120100503	NR4 NR16 NR17 NR73-NR75
SCALES CREEK	120100504	NR15
STUMP SOUND (NEW RIVER INLET TO SURF CITY)	120100600	
MAINLAND AREAS	130100000	
ALLIGATOR BAY	130100001	SSI1 SSI4 SSI5
TURKEY CREEK	130100002	SSI6 SSI7
GOOSE BAY	130100003	SSI8
KING'S CREEK	130100004	SSI12 SSI13
BARLOW CREEK	130100005	SSI9 SSI14 SSI15
WATERS BAY	130100006	SSI10-SSI11
SEASIDE AREAS	130200000	
ALLIGATOR BAY	130200001	SS07 SS08
SPICER'S BAY (EVERETT BAY)	130200002	SS01 SS06 SS012
PERMUDA ISLAND BAY	130200003	SS02-SS05 SS09-SS011
TOPSAIL SOUND (SURF CITY TO TOPSAIL INLET)	130200004	ISW4-ISW13
MAINLAND AREAS	140100000	
BISHOP CREEK	140100001	Y11-Y110
VIRGINIA CREEK	140100002	RI1-RI3
MALLARD BAY	140100003	VC1-VC8
OLD TOPSAIL CREEK	140100004	NR1-NR4
SEASIDE AREAS	140200000	OTC1-OTC6
OLD CHANNEL	140200001	OC1-OC7
TOPSAIL MARSHES	140200002	TS1-TS10
BANK'S CHANNEL	140200003	IC1-IC3
MIDDLE SOUND (TOPSAIL INLET TO MASON'S INLET)	140200004	ISW14-ISW20
MAINLAND AREAS	150000000	
HILL CREEK	150100000	NS1-NS6
FUTCH'S CREEK	150100001	NC1-NC4
PAGE'S CREEK	150100002	FC1-FC4
SEASIDE AREAS	150100003	FC1-FC10
LEA ISLAND MARSHES	150200000	RI1-RI8
FIGURE EIGHT ISLAND MARSHES	150200001	FE1-FE5
MASON'S CHANNEL	150200002	MA1-MA4
WRIGHTSVILLE SOUND (MASON'S INLET TO MASONBROD INLET)	150300000	ISW21-ISW28
MAINLAND AREAS	160000000	
HOWE CREEK	160100000	WI1-W16
BRADLEY CREEK	160100001	NR1-NR3

WATER

	CODE	STATIONS
SEASIDE AREAS	1802200000	
WRIGHTSVILLE MARSHES	1802210000	WM1-UMB
WRIGHTSVILLE CHANNELS	1802220000	WM1-WB10
	1803000000	18029-IWM35
MASONBORO SOUND (MASONBORO INLET TO CABBAGE INLET, MARKER 175)	1700000000	
MAINLAND AREAS	1701000000	MC1-MC5
HEWLETT'S CREEK	1701010000	HE1-HE5
WHISKEY CREEK	1701020000	MC1-MC5
SEASIDE AREAS	1702000000	
MASONBORO MARSHES	1702010000	NH1-NH9
	1703000000	IWM36-IWM39
MYRTLE GROVE SOUND	1800000000	
MAINLAND AREAS	1801000000	
MAINLAND MARSHES	1801010000	MI1-MI9
SEASIDE AREAS	1802000000	
SEASIDE MARSHES	1802010000	MO1-MO9
	1803000000	IWM40-IWM46
IWM	1804000000	CBY1-CBY4
CAROLINA BEACH YACHT BASIN	1901000000	
CAPE FEAR RIVER	1901000000	
CAPE FEAR RIVER BELOW WILMINGTON	1901010000	
BALD HEAD AREAS	1901010000	
BASIN	1901010100	
NORTHEAST ARM	1901010101	
SECOND BAY	1901010200	CFR38-CFR40
BUZZARD'S BAY	1901010300	CFR41 CFR42
BALD HEAD CREEK	1901010300	CFR39 CFR30
FISHING CREEK	1901010400	CFR46 CFR47
EAST BEACH CREEK	1901010500	CFR31-CFR33
CAPE CREEK	1901010600	CFR28
BAY CREEK	1901010700	CFR25 CFR27
DEEP CREEK	1901010800	CFR22-CFR24
CEDAR CREEK	1901010900	CFR17-CFR21
MUDDY SLOUGH	1901011000	CFR15-CFR17
SOUTHPORT AREAS	1901011100	CFR14 CFR18
WALDEN CREEK	1901020000	CFR34-CFR37
NANCY'S CREEK	1901020100	CFR13 CFR49
ELIZABETH RIVER	1901020101	CFR48
DUTCHMAN CREEK	1901020200	CFR50-CFR52
CPAL DISCHARGE CANAL	1901020300	CFR53-CFR55
CPAL INTAKE CANAL	1901020400	CFR56-CFR58
BEAVERDAM CREEK	1901020500	CFR59-CFR62
CAPE FEAR RIVER BAYS	1901020600	DD1
SOUTH OF SNOW'S CUT	1901030000	
NORTH OF SNOW'S CUT	1901030100	CFR8 CFR10-CFR12 CFR63-CFR70
DREDGED AREAS	1901040000	CFR4 CFR5 CFR71-CFR80
CREEKS	1901040000	CFR3 CFR6 CFR7 CFR9 CFR81-CFR87
LILLIPUT CREEK	1901050000	
TOWN CREEK	1901050100	CFR88
MALLORY CREEK	1901050200	CFR89 CFR90
BENARD CREEK	1901050300	CFR91 CFR92
MOTT CREEK	1901050400	CFR93
CAPE FEAR RIVER, WILMINGTON AND ABOVE	1901050500	CFR94
POOLS	1902000000	CFR1
INDIAN CREEK	1902010000	
LIVINGSTON CREEK	1902010100	
	1902010101	
	1902010102	

CODE STATIONS

RAY BRIDGE TUNNEL TO VA/MD LINE	5000020000
VA/MD LINE TO BAY BRIDGE	5000030000
ABOVE BAY BRIDGE	5000040000
LYNNHAVEN BAY	5000050000
BROAD BAY	5000060000
LITTLE CREEK	5000070000
JAMES RIVER	5000080000
BACK RIVER	5000090000
YORK RIVER	5000100000
MOEJACK BAY	5000110000
HORN HARBOR	5000120000
PIANKATANK RIVER	5000130000
RAPPAHANNOCK RIVER	5000140000
FLEETS BAY	5000150000
DIVIDING CREEK	5000160000
INGRAM BAY	5000170000
LITTLE WICOMICO RIVER	5000180000
POJOMAC RIVER	5000190000
PATUXENT RIVER	5000200000
HERRING BAY	5000210000
SOUTH RIVER	5000220000
SEVERN RIVER	5000230000
MAGOTHY RIVER	5000240000
PATAFSCO RIVER	5000250000
BACK RIVER	5000260000
MIDDLE RIVER	5000270000
SENECA CREEK	5000280000
SALTPETER CREEK	5000290000
GUNPOWDER RIVER	5000300000
BUSH RIVER	5000310000
ROMNEY CREEK	5000320000
SUSQUEHANA RIVER	5000330000
NORTHEAST RIVER	5000340000
CHESAPEAKE AND DELAWARE CANAL	5000350000
BOHENTIA RIVER	5000360000
SASSAFRAS RIVER	5000370000
STILL POND	5000380000
WORTON CREEK	5000390000
FAIRLEE CREEK	5000400000
SWAN CREEK	5000410000
CHESTER RIVER	5000420000
EASTERN BAY	5000430000
CHOPTANK RIVER	5000440000
TRIPPE BAY	5000450000
LITTLE CHOPTANK RIVER	5000460000
TAR BAY	5000470000
TANGIER SOUND	5000480000
FISHING BAY	5000490000
NANTICOKE RIVER	5000500000
MONIE BAY	5000510000
WICOMICO RIVER	5000520000
MANOKIN RIVER	5000530000
BIG ANNEHESSLY RIVER	5000540000
LITTLE ANNEHESSLY RIVER	5000550000

APPENDIX C: GEAR CODES

Due to common usage, English units should be used for descriptive parameters unless metric units are specified for the gear (e.g. plankton nets). Mesh size must be in bar units not stretch units and reflect the opening in the mesh.

The presence or absence of such things as cull rings will be denoted as a zero if not present and the number one if present.

Bait can be classified as follows; specific codes can be added later.

- A. natural, unclassified
- B. unnatural, unclassified

CODE	GEAR	DESCRIPTIVE PARAMETERS
100	fixed gear, unclassified	
110	traps and pots, unclassified	
111	crab pot, unclassified	number of culling rings, size of culling rings
112	crab pot, with outside cage	number of culling rings size of culling rings
114	eel pot, unclassified	size, mesh, bait
115	eel pot, cylindrical	size, mesh, bait
116	eel pot, rectangular	size, mesh, bait
117	catfish pot	size, mesh, bait
118	fish trap	size, funnel size, number of pots
119	lobster trap	size, , bait
120	shrimp traps	size, mesh, bait
130	pound net	length of lead, pound mesh size, number of pounds
135	fyke net	length of lead, mesh size, funnel size
140	hoop net	hoop size, mesh size, funnel size

APPENDIX C (continued)

CODE	GEAR	DESCRIPTIVE PARAMETERS
150	channel net	headrope length, body mesh size, bag mesh size
200	gill net, unclassified	length, mesh size, depth
210	150 ft. floating, drifting, monofilament gill net, with 3 panels of varying mesh size	mesh size of: panel 1, panel 2, panel 3
211	150 ft. floating, anchored, monofilament gill net with 3 panels of varying mesh size	mesh size of panel 1, panel 2, panel 3
212	monofilament gill net floating anchored with variable length panels of variable mesh size	length, number of panels, depth
213	experimental gill net	length, min. mesh size, max. mesh size
220	monofilament gill net sink, anchored	length, mesh size, depth
222	multifilament gill net, sink, anchored	length, mesh size, depth
230	monofilament gill net, floating, drifting	length, mesh size, depth
232	multifilament gill net, floating, drifting	length, mesh size, depth
240	monofilament gill net sink, drifting	length, mesh size, depth
242	multifilament gill net, sink, drifting	length, mesh size, depth
245	monofilament gill net, floating, anchored	length, mesh size, depth
247	multifilament gill net, floating, anchored	length, mesh size, depth
250	drop net	length, mesh size, depth

APPENDIX C (continued)

CODE	GEAR	DESCRIPTIVE PARAMETERS
260	trammel net	length, mesh size of outer panels, mesh size of inner panels
300	seines, unclassified	Those seines with bags of different mesh sizes than the bodies must be given separate gear codes based on bag mesh size
310	bag seines	length, mesh, depth
311	knitted bag seine, bag mesh size = 1/8 inch	length, mesh, depth
320	haul seine	length, mesh, depth
330	flat seine	length, mesh, depth
340	beach seine	length, mesh, depth
351	Division's long haul	length, wing net mesh size, back net mesh size
352	commercial long haul	length, wing net mesh size, back net mesh size
353	swipe net	length, wing net mesh size, back net mesh size
360	purse seine	length, depth mesh
371	cast nets	size (spread diameter) mesh, amount of weight
380	herring basket (dipnet)	size, mesh
382	bow net	size, mesh
384	fight net	size, mesh
386	lift net	size, mesh
400	lines, unclassified	length, no. of hooks, bait
410	long line, unclassified	length, no. of hooks, bait
411	long line, surface	length, no. of hooks, bait
412	deep line (bottom)	length, no. of hooks, bait

APPENDIX C (continued)

413	vertical drift line	length, no. of hooks, bait
415	trotline	length, no. of hooks, bait
420	hook and line, unclassified	depth of hook, number of lines fished, bait
421	float fishing	depth of hook, number of lines fished, bait
422	trolling	depth of hook, number of lines fished, bait
423	midwater fishing	depth of hook, number of lines fished, bait
424	bottom fishing	number of hooks, number of lines fished, bait
440	handline	depth of hook, number of lines fished, bait
500	trawl, unclassified	headrope length, body mesh size tailbag mesh size
510	balloon trawl, unclassified	headrope length, body mesh size tailbag mesh size
515	DAN MOORE midwater trawl	headrope length, body mesh size tailbag mesh size
530	semi-balloon trawl unclassified	headrope length, body mesh size tailbag mesh size
531	Carolina wing trawl	headrope length, body mesh size tailbag mesh size
532	commercial flynet	headrope length, body mesh size tailbag mesh size
534	Irish 3-bridle trawl	headrope length, body mesh size tailbag mesh size
535	NCSU semi-balloon trawl	headrope length, body mesh size tailbag mesh size
536	Division's semi-balloon trawl	headrope length, body mesh size tailbag mesh size

APPENDIX C (continued)

CODE	GEAR	DESCRIPTIVE PARAMETERS
538	Cobb trawl	headrope length, body mesh size tailbag mesh size
550	flat trawl, unclassified	headrope length, body mesh size tailbag mesh size
552	Yankee trawl	headrope length, body mesh size tailbag mesh size
553	offshore flounder trawl	headrope length, body mesh size tailbag mesh size
554	trynet	headrope length, body mesh size tailbag mesh size
556	Division's stock assessment trawl, knotted throughout	headrope length, body mesh size tailbag mesh size
558	heavily chained Division stock assessment trawl	headrope length, body mesh size tailbag mesh size
560	Division's shrimp trawl (DAN MOORE)	headrope length, body mesh size tailbag mesh size
570	commercial shrimp trawl	headrope length, body mesh size tailbag mesh size
572	commercial scallop trawl	headrope length, body mesh size tailbag mesh size
574	commercial crab trawl	headrope length, body mesh size tailbag mesh size
575	commercial peeler crab trawl	headrope length, body mesh size tailbag mesh size

Gear codes in the 600 series will use metric units to describe gear parameters.

600	plankton net, unclassified	opening diameter, mesh size depth fished
605	standard conical plankton net	opening diameter, mesh size depth fished
610	Wisconsin plankton net	opening diameter, mesh size, depth fished

APPENDIX C (continued)

CODE	GEAR	DESCRIPTIVE PARAMETERS
620	Juday plankton trap	opening diameter, mesh size, depth fished
630	bongo net	opening diameter, mesh size, depth fished
640	Clarke Bumpus	opening diameter, mesh size, depth fished
645	Tucker trawl	opening diameter, mesh size, depth fished
650	Neuston net	opening diameter, mesh size, depth fished
700	dredge or grab, unclassified	width, mesh size, weight
713	scallop dredge (can be towed only one way)	width, mesh size, weight
715	tumbler dredge	width, mesh size, weight
720	Quahog dredge (Fall R.)	size, teeth number, weight
730	Peterson grab	size
740	Eckman dredge	size
745	scrape	size, mesh size
746	suction pump	head size, bag mesh size
750	hydraulic gear, unclassified	
754	oyster dredge	length of toothbar, weight
758	escalator dredge, clam head	
762	escalator dredge, seed oyster harvester	
766	patent tongs	length of toothbar

APPENDIX C (continued)

CODE	GEAR	DESCRIPTIVE PARAMETERS
770	inboard clam kicker with clam net	headrope length, boat draft
771	outboard clam kicker	headrope length, boat draft
800	hand gear, unclassified	
805	hand harvest	
810	rake, unclassified	
811	Jersey rake	
812	pea digger rake	
815	bull rake	toothbar length, teeth number
820	basket rake	
830	hand tongs	
835	gig	
Miscellaneous gear		
911	ichthyocides	
912	explosives	
920	night light	
925	camera	
926	diver observations and/or collections	
927	spear gun	
940	electric shocker	voltage out, pulse width, frequency
950	submersible	
960	fish wheel	basket size
999	unknown	

APPENDIX D: BOTTOM TYPES

All the programs except Dan Moore will use the first column to denote sediment size and the second to denote bottom composition.

Column 80: Sediment Size

Size definitions:

category	size (mm)
1. gravel	4-64
2. coarse sand	1/2-4
3. fine sand	1/16-1/2
4. coarse silt	1/64-1/16
5. "clay"	1/4096-1/64

The primary sediment size should denote the modal class of sediments according to Ingram (1965). The secondary sediment size should include those sizes in large enough amounts to affect the main name of the sediment. If actual sediment sizes are recorded, use the following codes.

Primary sediment size: Secondary sediment size

- A. gravel
- B. gravel:coarse sand
- C. gravel:fine sand
- D. gravel:coarse silt
- E. gravel:clay
- F. coarse sand
- G. coarse sand:gravel
- H. coarse sand:fine sand
- I. coarse sand:coarse silt
- J. coarse sand:clay
- K. fine sand
- L. fine sand:gravel
- M. fine sand:coarse sand
- N. fine sand:coarse silt
- O. fine sand:clay
- P. coarse silt
- Q. coarse silt:gravel
- R. coarse silt:coarse sand
- S. coarse silt:fine sand
- T. coarse silt:clay
- U. clay
- V. clay:gravel
- W. clay:coarse sand
- X. clay:fine sand
- Y. clay:coarse silt

APPENDIX D (continued)

If the sediment size is determined in the field or not quantified, alternate sediment size codes should be used.

- 0. cemented hard bottom or rock
- 1. hard sand
- 2. soft mud
- 3. hard mud
- 4. clay
- 5. silt
- 6. muddy sand
- 7. sandy mud
- 8. sand
- 9. mud

Column 81: Bottom Composition

The following codes will be used to denote the general bottom composition (excluding the size of the sediments).

- A. shell
- B. grass
- C. algae
- D. detritus
- E. sponge
- F. coral
- G. shell, grass
- H. grass, algae
- I. shell, grass, algae
- J. shell, algae
- K. grass, detritus
- L. grass, algae, detritus
- M. shell, detritus
- N. cinder

The Dan Moore programs will continue using their codes in columns 80 and 81. They are:

- BD boulders
- CL clay
- CO coral
- GL gravel
- GR grass
- MD mud
- ML marl
- OZ ooze
- RK rock
- SA sand
- SH shell
- SP sponge

APPENDIX E: WATER LEVEL OR SEA STATE

Tides-lunar

- A. early ebb
- B. mid ebb
- C. late ebb
- D. ebb slack
- E. early flood
- F. late flood
- G. mid flood
- H. flood slack
- X. ebb (low)
- Y. flood (high)
- Z. slack

Wind Tides and River Stage

- I. high
- J. normal
- K. low
- L. flood
- M. ice

Sea State - Beaufort Scale (probable wave height, in feet, given in parentheses). Record the chop, not swell, when chop occurs.

- N. sea like mirror (0)
- O. ripples with appearance of scales; no foam crests (1/4)
- P. small wavelets, crests of glassy appearance, not breaking (1/2)
- Q. large wavelets, crests begin to break, scattered whitecaps (2)
- R. small waves, becoming longer, numerous whitecaps (4)
- S. moderate waves, taking longer form, many whitecaps (6)
- T. larger waves forming, whitecaps everywhere, more spray (10)
- U. moderate swell

APPENDIX F: ALTERATION STATE AND ALLOWED FISHING ACTIVITY

ALTERATION STATE

1. no alteration
2. closed due to pollution
3. channelized
4. channelized and closed due to pollution
5. sample site unaltered but alterations in nearby environment could affect site.

ALLOWED FISHING ACTIVITY - record by most severe bottom disturbing activity

- A. no commercial fishing activity allowed
- B. crab or shrimp trawling allowed
- C. dredging allowed
- D. hydraulic dredging or clam trawling, kicking allowed
- E. trawling, dredging, non bottom disturbing activities allowed
- F. trawling and hydraulic dredging allowed
- G. dredging and hydraulic dredging allowed
- H. all fishing activities allowed
- I. non bottom disturbing fishing activities allowed
- J. all activities except trawling, hydraulic dredging allowed, clam kicking allowed.

APPENDIX G: SPECIES CODES

The following are the National Oceanic Data Center (NODC) codes. Many freshwater species are not listed but a request has been made to assign codes to these species. Should you collect a species without a code leave the species code field blank to be filled in when a code is assigned.

Please note that the Chondrichthyes taxa have been given the same first order code as the lower Osteichthyes (87). Record Chondrichthyes (8701-8716) as 9701-9716.

Do not assign codes to any unlisted species. The purpose of using NODC codes is for national standardization. We will request unlisted codes from the NODC.

2 MAY 1984

***** VERTEBRATA *****
 ***** CHONDRICHTHYES *****
 ***** OSTEICHTHYES *****

ALBUFE	8747010105	ALOSA PSEUDOHARENGUS
AMBERJACKS	8835280800	SERIOLA
AMBERJACK, GREATER	8835280801	SERIOLA DUMERILLI
ANCHOVIES	8747020200	ANCHOA
ANCHOVY, BAY	8747020202	ANCHOA MITCHILLI
ANCHOVY, STRIPED	8747020201	ANCHOA HESSETUS
BARBELFISH	8826010605	SCOREPENA BRASILIENSIS
BARBACUDAS	8837010100	SPHYRAENA
BARBACUDA, GREAT	8837010104	SPHYRAENA BARBAUDA
BARBELFISH	8851010201	HYPEROGLYPHE PERISPOMIS
BASS, LARGEMOUTH	8835160602	MICROPTERUS SALMONIDES
BASS, STRIPED	8835020102	MORONE SAXATILIS
BASS, YELLOWFIN	8835020702	ANTHIAS NICHOLSI
BIGEYES	8835170100	PRACANTHUS
BIGEYE	8835170101	PRACANTHUS ARENATUS
BIGEYE	8835170201	PRISTIGENYS ALTA
BLENNIES	8842010000	BLENNIDAE
BLENNY, BAY	8842010501	HYPLEUROCHILUS SEMINATUS
BLENNY, FEATHER	8842010201	HYPSOLENCHUS HENTZI
BLENNY, STRIPED	8842010301	CHASMODES POGONIDAE
BLUEFISH	8835250101	POMATOMUS SALTATRIX
BLUEGILL	8835160504	LEPOMIS MACROCHIRUS
BLUE RUNNER	8835280306	CARANX CRYOSUS
BONITA, ATLANTIC	8850030202	SARDA SARDA
BOWFIN	8733010101	AMIA CALYA
BULLHEAD, BLACK	8770201006	ICTALURUS MELAS
BULLHEAD, BROWN	8770201004	ICTALURUS NEBULOSUS
BULLHEAD, SNAIL	8770201007	ICTALURUS FUNCTORIUS
BULLHEAD, YELLOW	8770201003	ICTALURUS NATALIS
BUMPER	8835280401	CHLOROSOMBERUS CHRYSURUS
BURFISH, STRIPED	8835030101	CHILMYCTERUS TROCHETI
BUTTERFISH	8851030103	PEPELIUS TRIACANTHUS
BUTTERFLYFISHES	8835550100	CHAETODON
BUTTERFLYFISH, SPOTFIN	8835550101	CHAETODON OCELLATUS
CARP	8770101001	CYPRINUS CARPIO
CATFISHES	8770200000	ICTALURIDAE
CATFISHES	8770201000	ICTALURUS
CATFISH, BLUE	8770201002	ICTALURUS FURCATUS
CATFISH, CHANNEL	8770201005	ICTALURUS FUNCTORIUS
CATFISH, HARDHEAD	8771802002	ARIUS FELIS
CATFISH, WHITE	8770201001	ICTALURUS CATUS
CHUCKER, CREEK	8770403002	ERIMYZON DELONGUS
CHUCKER, LAKE	8770403001	ERIMYZON SUCCETTA
CHUCKER, LAKE	8835260101	RACHYCENTRON CANADUM
COD, ATLANTIC	8791030402	GADUS MORCHUA
CONEY	8835020802	EPINEPHELUS (=CERIALOPHOLIS) FULVUS
CORNFISH, BLUESPOTTED	8819020101	FISTULARIA TABACARIA
COWFISH, SCRAWLED	8860020201	LACTOPHARYS QUADRICORNE
CRAPIE, BLACK	8835160702	POMOXIS MICROACULATUS
CRAPIE, WHITE	8835160701	POMOXIS ANNULARIS
CROPLE-FISH	8835021701	PARANTHIAS FURCIPER
CROAKER, ATLANTIC	8835440701	MICROPSCOMUS UNOLATUS

BUCK-EEL	8792010700	OPHIDIUM
CUSK-EEL, BANK	8792010603	OPHIDIUM HOLBROOKI
CUSK-EEL, CRESTED	8792010605	OPHIDIUM WELSHI
CUSK-EEL, STRIPED	8792010701	OPHIDIUM (RISSTOIA) MAGNATUM
CUTLASSFISH, ATLANTIC	8850020201	TRICHTURUS LEPTURUS
DARTERS	8835200100	ETHIOSOMA
DARTER, SANCHEEK	8835200104	ETHIOSOMA SERVOLEUM
DARTER, SWAMP	8835200101	ETHIOSOMA PUCH ORCI
DARTER, TESSELATED	8835200102	ETHIOSOMA OLIVACEA
DOCTORFISH	8849010102	ACANTHURUS CHIRIDENS
DOGFISH, CHAIN	9708010104	SCYLIOURUS ALTIFF
DOGFISH, SMOOTH	9708020401	MUSTELUS CANIS
DOGFISH, SPINY	9710010201	SQUALUS ACANTHIUS
DOLPHIN	8835200101	CORYPHAENA HIPHURUS
DRUMS	8835400000	SCIARENIDAE
DRUM, BLACKBAR N.SP.	8835441299	EQUETES (=PARAGRES) N.SP.
DRUM, BANDED	8835440501	LAEIMUS FACIATUS
DRUM, BLACK	8835440801	POGANIAS CROMIS
DRUM, RED (CHANNEL BASS)	8835440901	SCIARENUS OCELLATUS
DRUM, STAR	8835441001	STELLITER LANCEOLATUS
EEL, AMERICAN	8741010101	ANGUILLA ROSTRATA
EEL, CONGER	8741120101	CONGER OCEANICUS
EEL, SHRIMP	8741131001	OPHICHTHUS COMET
EEL, SPECKLED WORM	8741130802	MYRAPHIS PUNCTATUS
ELCIFORMS	8737000000	ELCIFORMES
FILEFISHES	8860020000	BALISTIDAE
FILEFISH, ORANGE	8860020101	ALUTERUS SCHNEBELI
FILEFISH, PLANEHEAD	8860020301	MONOCANTHUS HIPIDUS
FLIER	8835160301	CENTRARCHUS MACROPTERUS
FLOUNDER, LEFT EYE	8857000000	PLEURONECTIDEI
FLOUNDER, RIGHT EYE	8857030000	ROTHIDAE
FLOUNDER, RIGHTEYE	8857040000	PLEURONECTIDAE
FLOUNDER, FOURSPOT	8857030300	PARALICHTHUS
FLOUNDER, FRINGED	8857030305	PARALICHTHUS OLANUS
FLOUNDER, GULF	8857030201	ETROPUS CROCODILUS
FLOUNDER, OCELLATED	8857030302	PARALICHTHUS ALBISITTA
FLOUNDER, SOUTHERN	8857030306	ANDILOPSETTA GARDNERI
FLOUNDER, SUMMER	8857030304	PARALICHTHUS LITHOSTIGMA
FLOUNDER, WINTER	8857030301	PARALICHTHUS DENTATUS
FLOUNDER, WITCH	8857040201	PSEUDOPLEURONECTES AMERICANUS
GAG	8857040302	GLYPTOCERHALUS CYCLOPSUS
GAR, LONGNOSE	8835020501	MYCTEROPHERA MICROLEPIS
GAR, LONGNOSE	8732010101	LEPISOSTEUS OSEUS
GORIES	8847010000	GORIIDAE
GORY, DARTER	8847010100	GORIONELLUS
GORY, FRESHWATER	8847010501	GORIONELLUS BOJOSORA
GORY, GREEN	8847010504	GORIONELLUS SWIFTI
GORY, NAKED	8847010702	MICROGORGON THALASCIUS
GORY, SHARPTAIL	8847010601	GORGONOMA BOSCI
GOOSEFISH	8847010502	GORIONELLUS HASTATUS
GOOSEFISH	8786010101	LOPIUS AMERICANUS
GROUPE, BLACK	8835020502	MYCTEROPHERA VERACI
GROUPE, MARBLED	8835020901	EPINEPHELUS INERITIC
GROUPE, SNOWY	8835020411	EPINEPHELUS NIVATUS
GROUPE, RED	8835020408	EPINEPHELUS MOTO
GROUPE, YELLOWFIN	8835020506	MYCTEROPHERA VIRENOSA
GROUPE, YELLOWWEDGE	8835020405	EPINEPHELUS FLAVILINEATUS
GROUPE, WARSAW	8835020410	EPINEPHELUS NIGRITUS
GRUNT, WHITE	8835400102	HAEMULON PLUMIERI
HAKES	8791031000	UROPHYCIS
HAKES, CA	8791031006	UROPHYCIS EARLII

HARE, SILVER	8791040101	MERLESCUS PILICARPIS
HARE, SOUTHERN	8791031007	UROPHACIS FLORIDANA
HARE, SPOTTED	8791031002	UROPHACIS REGIA
HARE, WHITE	8791031003	UROPHACIS TENUI
HALEBEAK	8803010301	HYPOCHAMMUS UNIFACIATUS
HALEBEAK	8803010305	PEPILUS ALEPIDOTUS
HARRINGS	8747010000	CLUPIDAE
HARRING, ATLANTIC THREAD	8747010701	OPISHOMLMA OELTVOH
HARRING, BLUEBACK	8747010102	ALOZA AECTIVUS
HARRING, RIVER	8747010100	ALOZA
HERRING, ROUND	8747010001	ETROPEUS TERES
HIND, RED	8835020406	EPINHELIUS CITTATUS
HIND, ROCK	8835020402	EPINHELIUS DETERMINATUS
HIND, SPECKLED	8835020404	EPINHELIUS DEBRONDIAYI
HOGCHOKER	8856010101	TRINISTES MACULATUS
HOGFISH	8837010501	LACHNOBLAINUS MAYIMUS
HOGFISH, SPOFFIN	8837010201	MODIARUS PULCHELLUS
JACKS	8835280000	CARANGIDAE
JACK, COTTONMOUTH	8835280000	CARANG
JACK, CREVALL	8835281701	UKAEPIS SECUNDA
JACK, HORSE-EYE	8835280303	CARANG HIPPOS
JACK, YELLOW	8835280304	CARANG LATUS
KILLIFISHES	8835280301	CARANG BARTHOLOMEI
KILLIFISHES	8804040000	CYPRINODONTIDAE
KILLIFISH, BANDED	8804040200	FUNDULUS
KILLIFISH, MARSH/BAYOU	8804040202	FUNDULUS DIAPHANUS
KILLIFISH, RAINWATER	8804040201	FUNDULUS COMPLEXYTUS-FULVETUS
KILLIFISH, STRIPED	8804040201	LUCANIA PARVA
KILLIFISH, WACCAMAN	8804040225	FUNDULUS MACCARENENSIS
KINGFISHES	8835440000	MENTICIRRHUS
KINGFISH, GULF	8835440002	MENTICIRRHUS LITIGRALLIS
KINGFISH, NORTHERN	8835440003	MENTICIRRHUS SAMATILIS
KINGFISH, SOUTHERN	8835440001	MENTICIRRHUS AMERICANUS
LADYFISH	8738010101	ELOPS SAURUS
LEATHERJACKET	8835280501	OLICOPILITES SAURUS
LIZARDFISH, INSHORE	8762020101	SYNOBUS FOETENS
LOOKDOWN	8835280701	SELENE VONER
MACKERELS	8850030000	SCOMERIDAE
MACKEREL, ATLANTIC	8850030500	SCOMEROMORUS
MACKEREL, CHUB	8850030301	SCOMER JAPONICUS
MACKEREL, KING	8850030501	SCOMEROMORUS CAVALLA
MACKEREL, SPANISH	8850030502	SCOMEROMORUS MACULATUS
MADTOMS	8776020200	NOTURUS
MADTOM, TADPOLE	8776020201	NOTURUS CYRINUS
MARO, SHORTFIN	9707040501	ISURUS OXYRINCHUS
MENHADEN, ATLANTIC	8747010401	BREVIVULTA TYRANNUS
MENHADEN, ATLANTIC	8783010108	PORICHTHYS PLECTRODON
MIDNOMS	8776010000	CYPRINIDAE
MIDNOMS	8776011100	NOTROPIS
MIDNOM, EASTERN SILVERY	8776010201	HYDROMATIUS REGIUS
MIDNOM, SHEEPHEAD	8804040101	CYPRINODON VARIEGATUS
MOLARRAS	8835390000	GERREIDAE
MOLARRAS, SPOFFIN	8835390101	EUCIPISTOMUS ARGENTUS
MORFISH, ATLANTIC	8835281001	SELENE STAPINUS
MORAYS	8741050000	MURAENIDAE
MORAY	8741050504	MURAENA KOBUSTA
MORAY, RETICULATE	8741050502	MURAENA FETIFERA
MOSQUITOFISH	8804080101	CAMBUSIA AFFINIS
MUDMINNOW	8758020101	UMERA PYGMAEA

MULLET, STRIPED	0036010101	MUEL CEPHALUS
MULLET, WHITE	8836010102	MUGIL CUREMA
MUENCHING	8804040223	FUNDULUS HETERODONTUS
NEBLEFISHES	0003020200	STROMYLOURA
NEBLEFISHES	0003020300	TYLOSTOMUS
NEBLEFISH, ATLANTIC	8803020201	STRONGYLURA MARTHA
NODIAN SURGEON	8849010101	ACAPTORUS BATHAUS
PALOMETA	8835280903	TRACHINOTUS GOODRI
PARROT FISH, REDFIN	8839030405	SPARISOMA RUBRIPINNE
PERCHES	8835200000	PERCIDAE
PERCH, PIRATE	8781010101	APHEODERUS SAVANUS
PERCH, SAND	8835021002	DIFLECTRUM FORCUM
PERCH, SILVER	8835400301	BALEATELLA CHRYSOCRA
PERCH, WHITE	8835020101	MORONE AMERICANA
PERCH, YELLOW	8835200201	PERCA FLAVESCENS
PERMIT	8835280902	TRACHINOTUS FALCATUS
PICKEREL	8758010100	ESOX
PICKEREL, CHAIN	8758010103	ESOX NIGER
PICKEREL, REDFIN	8758010102	ESOX AMERICANUS AMERICANUS
PIGFISH	8835400201	ORTHORHINUS CHIROPTERA
PINEFISH	8835430201	LAGODON RHOMBOIDES
PINEFISH, SPOTTAIL	8835430401	DIPLODUS HOLBROOKI
PIEFISHES	8820020100	SYNGNATHUS
PIEFISH, CHAIN	8830020104	SYNGNATHUS LOUISIANAE
PIEFISH, DUSKY	8820020102	SYNGNATHUS FLORENSAE
PIEFISH, NORTHERN	8820020103	SYNGNATHUS FUSCUS
POLLOCK	8791030901	POLLACHUS VIRIDIS
POMFANO, AFRICAN	8835280202	ALECTIS CLARIS
POMFANO, FLORIDA	8835280901	TRACHINOTUS DARTLINUS
POMFANO, IRISH	8835390201	DIAPTERUS AURATUS
PORGIES	8835430000	SPARIDAE
PORGIES	8835430100	STENOLOMUS
PORCY, KNOBBED	8835430506	CALATUS HODGSONUS
PORCY, LONGSPINE	8835430102	STENOLOMUS CAPTIVUS
PORCY, RED	8835430601	PAGRUS FABRUS
PORCY, WHITEBONE	8835430505	CALATUS LEUCOSTIUS
PUFFER	8861010200	SPHOEROIDES
PUFFER, BANDTAIL	8861010201	SPHOEROIDES SPENALEPI
PUFFER, NORTHERN	8861010201	SPHOEROIDES MACULATUS
PUMPKINSEED	8835160505	LEPOMIS GIBBOSUS
RAY, EULLNOSE	9713070201	MYLIOBATIS FREMONTIILEI
RAY, COWNOSE	9713070301	RHINOPTERA BONAUS
RAY, SMOOTH BUTTERFLY	9713050202	GYMNURA MICROSA
REDHORSE, SHORthead	8776040401	HODOSTOMA MACROCEPIDOTUM
REDHORSE, SILVER	8776040404	HODOSTOMA ANCIUM
SAND LANCE, AMERICAN	8845010102	AMMODONTES AMERICANUS
SAND TIGER	9707030101	ODONTASTIS TAURUS
SCAD, ROUND	8835231202	DECAETERUS PUNCTATUS
SCAMP	8835020505	MYCTOPHERCA PREGAX
SCORPIONFISH, SPINYCHEEK	8836010402	NEOMERIRHIE HEMIRHANY
SCUP	8835430101	STENOLOMUS CHRYCOPS
SEA BASSES	8835020000	SERRANIDAE
SEA BASS, BANK	8835020304	CENTROPRISTIS COYURUS
SEA BASS, BLACK	8835020301	CENTROPRISTIS STRIATA
SEA BASS, ROCK	8835020305	CENTROPRISTIS PILLATELHICA
SEAHORSES	8820020200	HIPPICAMPUS
SEAHORSES, LINED	8820020201	HIPPICAMPUS ERECTUS
SEAROBINS	8826020100	PRIONOTUS
SEAROBIN, BIGHEAD	8826020104	PRIONOTUS TRIBUNUS
SEAROBIN, BLACKING	8826020120	PRIONOTUS SALMOCOLOR
SEAROBIN, LEAF	8826020103	PRIONOTUS SCILLIUS

[illegible]

***** COELENTERATA *****

JELLYFISHES
JELLY BOMBS

3700000000 Cnidaria
3737050101 Stomolophus meleagris

***** MOLLUSCA *****

ARK, BLODD
BIVALVES
BUTTERCUP
CHITONE, CROSS-BARRED
CLAM, LITTLE SURF(DUCK)
CLAM, SURF
MACOMA, BAL TIC
MOONSHHELL, LOBED
OCTOPI
OCTOPUS, COMMON ATL.
DYSTER, COMMON
QUAHOG, NORTHERN
QUAHOG, SOUTHERN
RANGIA, WEDGE
SCALLOP, BAY
SCALLOP, CALICO
SCALLOP, SEA
MUS, EEL GRASS
SQUIDS
SQUID, ATLANTIC
SQUID, NORTHERN, SHORTFIN
SQUID, THUMBSTALL
TULIP SHELL, BANDED
WHELKS

5506010202 ANADARA CUALIS
5515000000 RIVALVIA VENEROPIDA
5515010501 ANODONTIA ALBA
5515071503 CHITONE CANCELLATA
5515250301 MULLINIA LATERALIS
5515250102 SPISULA SOLIDICOMA
5515310116 MACOMA BALTICA
5103760407 POLINICES DUPLICATUS
5708010200 OCTOPUS
5708010202 OCTOPUS VULGARIS
5510020102 CRATOSSTREA VIOLETINICA
5515071101 MERCENARIA MERCENARIA
5515071102 MERCENARIA CAMEROCHITENSIS
5515250401 RANGIA DUREATA
5509050601 ARGOECHIN IRRADIANS
5509051201 ARGOECHIN GIBBUS
5509050901 PLACODONTIN MALLACUS
5123030109 ELYSIA
5700000000 MOLLUSCA CEPHALOPODA
5706010102 LOLLIGO PEALII
5707150301 ILEX ILICEBROSUS
5706010201 LOLLIGUREULA BREVIS
5105090203 FASCIOLARIA JUBILITERIA
5105070109 EUSYCON

***** ARTHROPODA *****

ARTHROPODA, MEROSTOMATA
CRAB, HORSESHOE

5802000000 ARTHROPODA MEROSTOMATA
5802010101 LIMULUS POLYPHEMUS

ARTHROPODA, CRUSTACEA

CRABS
CRAB-CALAPPID
CRABS-CANCER
CRAB-CANCER, ROCK
CRAB-CANCER, JONAH
CRAB-MAJIDAE, CORAL
CRABS-MAJIDAE, PENTAGON
CRABS-MAJIDAE, SPIDER
CRABS-FINNOTHERID, PEA
CRABS-FORTUNID
CRABS-FORTUNID, BLUE
CRAB-FORTUNID, MARGINAL
CRAB-FORTUNID, ORNATE
CRABS-FORTUNID
CRABS-FORTUNID, LADY
CRABS-FORTUNID
CRAB-FORTUNID
CRAB-FORTUNID

6100000000 ARTHROPODA CRUSTACEA
6100000000 DECAPODA BRACHYURINCA
610020101 CALAPPA FLAMEA
6100030100 CANCER
6100030108 CANCER IRROGATUS
6100030107 CANCER PORRALLIC
6107012501 MITINAX HISPIDUS
6107020100 PARTHURUS
6107010900 LIDINIA
6109060200 PIMOTHEUS
6109010000 PORUNIDAE
6109010300 CALLINectes
6109010301 CALLINectes SAPIDUS
6109010305 CALLINectes MARGINATUS
6109010304 CALLINectes ORNATUS
6109010302 CALLINectes STIGMUS
6109010500 OVALIPES
6109010502 OVALIPES OCELLATUS
6109010600 PORTUNUS
6109010601 PORTUNUS GIBBOSI
6109010602 PORTUNUS SAVI

CRABS-XANTHID, MUD 6189010604 PUNICUS SPINIGRUS
 CRAB-XANTHID, STONE 6189020200 XANTHIDAE
 CRAB-XANTHIDS 6189021201 MENEFEE MERCENARIA
 CRAB-XANTHIDS 6189020700 NEOPANDPE
 CRAB-XANTHID 6189020701 NEOPANDPE TEXANA
 CRAB-XANTHID 6189020200 PANDPEUS
 CRAB-XAN, HEBST, PANOFELUS 6189020201 PANDPEUS HERCSTII
 CRABFISHES 6181020100 CAMARUS
 SHRIMP-AMPHIPODA 6169000200 AMPHIPODA
 SHRIMP-CARIDEAN, ARROW 6179161501 TOZUMA CAROLINAE
 SHRIMP-CAR, EDWATER FRAMM 6179110201 MACROBRACHIUM PILLIPSII
 SHRIMP-CARIDEAN 6179160600 HIPPOCLYTIDAE
 SHRIMP-CARIDEAN, GRASS 6179160400 HIPPOCLYTE
 SHRIMP-CARIDEAN 6179220100 CRABIDAE
 SHRIMP-CAR, (FLATID) SAND 6179220103 CRABIDAE SEPTIMOSA
 SHRIMP-CAR, (GRASS) SHORE 6179110300 PALALOMNETES
 SHRIMP-CARIDEAN 6179110301 PALALOMNETES LUTERNAEUS
 SHRIMP-CARIDEAN 6179110303 PALALOMNETES FORTI
 SHRIMP-CARIDEAN 6179110304 PALALOMNETES VIGARIS
 SHRIMP-CARIDEAN 6179110403 PERILIMNES LONGICARPATUS
 SHRIMP-CARIDEAN, SNAPPING 6179140100 ALPHEUS
 SHRIMP-CAR, BIG CLAW-SNAP 6179140101 ALPHEUS HETEROCYCLIS
 SHRIMP-MYSIDS 6153000000 PERACARIDEA MYCINACCA FUSIDA
 SHRIMP-MYSID 6153011508 NEDRYSIS AMERICANA
 SHRIMP-PENAEID, BROWN 6177010101 PENAEUS AZTECUS
 SHRIMP-PENAEID, PINK 6177010102 PENAEUS DUORUM
 SHRIMP-PENAEID, ROCK 6177010401 SICYNIA BREVESTRIS
 SHRIMP-PENAEID, WHITE 6177010103 PENAEUS SETIFERUS
 SHRIMP-PENAEID 6177020101 ACETES AMERICANUS
 SHRIMP-PENAEID 6177010501 PARAPENAEUS LONGIROSTRIS
 SHRIMP-PENAEID 6177010100 PENAEUS
 SHRIMP-PENAEID 6177010201 TRACHYPENAEUS CONSTRICTUS
 SHRIMP-STomatopoda, MANTIS 6191010101 SCILLA EMPUSA

***** ECHINODERMATA *****

BRITTLE STARS 6129040000 OPHIOTHURICIDAE
 SEA URCHINS, SAND DOLLARS 6136000000 ECHINOIDEA
 SEA URCHIN, SHORT-SPINED 6148020101 LYTECHINUS VARIEGATUS

APPENDIX J: TAG CODES

CODE DESCRIPTION

- A. FT-1 Dart tag
- B. FT-2 Dart tag
- C. FT-4 Cinch-up spaghetti tag
- D. FM-66 Dart tag
- E. "Same Reeves Original" Dart tag
- F. FD-67 Anchor tag
- G. FD-68B and FD-68BC Anchor tag
- H. FTSL-73 Shrimp tag
- I. FTL-69 Lobster tag
- J. FD-67M
- K. Carapace tag $1/4 \times 1 \frac{3}{4}$ inch
- L. Floy plastic sleeve on wire
- M. Peterson disc on wire
- N. Peterson disc $1/2$ inch diameter
- O. Peterson disc $3/4$ inch diameter
- P. Carlin disc tag
- Q. Biological dyes

APPENDIX B-2: BIOFORM - 00

There is no layout file for this page as it is a start up page.
However, the following information is stored on this page:

Autoload "display" default mode	FC
Autoload "send" default mode	FX
Autoload "print" default mode	FV
Number of arithmetic registers	2
Number of memory cells	10

<u>Cell</u>	<u>Size</u>
M1	2
M2	5
M3	2
M4	10
M5	1
M6	3
M7	2
M8	10
M9	10
M10	10

Cell
used to
store:

YEAR
COLLECTION NO.
REPLICATE
SPECIES
STATUS
LINE NUMBER
AGE
extra
extra
extra

APPENDIX B-1:

COMM-STOR III CONFIGURATION PARAMETERS USED FOR DATA ENTRY

- 1: ASCII DATA? (YES)
- 2: SEND EOT AFTER EACH MODEM REQUEST? (NO)
- 3: END OF LINE CHARACTER ([CR])
- 4: SYSTEM TO ADD LINE FEED AFTER CARRIAGE RETURN? (YES)
- 5: LINE FEED CHARACTER ([LF])
- 6: CARRIAGE RETURN CHARACTER FOR SYSTEM MESSAGES ([CR])
- 7: LINE FEED CHARACTER FOR SYSTEM MESSAGES ([LF])
- 8: END OF TEXT CHARACTER ([ETX])
- 9: TRANSMIT "END OF TEXT" CHARACTER? (NO)
- 10: TRANSMIT "END OF TRANSMISSION" CHARACTER? (NO)
- 11: "END OF TRANSMISSION" CHARACTER ([^D])
- 12: "RESET" CHARACTER ([^T])
- 13: SPACE CHARACTER FOR SYSTEM MESSAGES ()
- 14: FIRST CHARACTER OF ESCAPE SEQUENCE ([ESC])
- 15: PARITY ERROR SYMBOL (?)
- 16: "STOP SEND/START SEND" OPTION (8)
- 17: "STOP SEND" CHARACTER (TO COMPUTER) ([^S])
- 18: "START SEND" CHARACTER (TO COMPUTER) ([^Q])
- 19: "HOLD" CHARACTER (FROM COMPUTER/TERMINAL) ([^S])
- 20: "RESUME" CHARACTER (FROM COMPUTER/TERMINAL) ([^Q])
- 21: OUTPUT NUMERICAL ERROR MESSAGES? (NO)
- 22: SEND ERROR MESSAGES TO MODEM? (NO)
- 23: SPECIAL OUTPUT CHARACTER #1 ([CR])
PORTS (NONE)
DELAY FACTOR/SUBSTITUTION (1)
- 24: SPECIAL OUTPUT CHARACTER #2 ([CR])
PORTS (NONE)
DELAY FACTOR/SUBSTITUTION (1)
- 25: SPECIAL OUTPUT CHARACTER #3 ([CR])
PORTS (NONE)
DELAY FACTOR/SUBSTITUTION (1)
- 26: SPECIAL OUTPUT CHARACTER #4 ([CR])
PORTS (NONE)
DELAY FACTOR/SUBSTITUTION (1)
- 27: "DELETE" CHARACTER ENTERED ([BS])
- 28: "DELETE" CHARACTER ECHOED ([NULL])
- 29: "LINE CANCEL" CHARACTER ([^X])
- 30: NUMBER OF LINES ON PAGE (23)
- 31: STOP DISPLAY AFTER EACH PAGE? (NO)
- 32: SUBSTITUTE TERMINAL PARITY ERRORS WITH ERROR SYMBOL? (YES)
- 33: MODEM OFF-LINE ALERT CHARACTER ([^G])
- 34: INHIBIT ECHO TO TERMINAL? (NO)
- 35: IGNORE "NULL" CHARACTER FROM TERMINAL? (YES)
- 36: TERMINAL "NULL" CHARACTER ([NULL])
- 37: NORMAL TERMINAL DATA
PARITY - EVEN/ODD/NONE (EVEN)
NUMBER OF DATA BITS EXCLUDING PARITY AND
INCLUDING FIXED BITS (IF ANY) (7)
- 38: BINARY TERMINAL DATA
PARITY - EVEN/ODD/NONE (EVEN)
NUMBER OF DATA BITS EXCLUDING PARITY AND
INCLUDING FIXED BITS (IF ANY) (7)

CONFIGURATION PARAMETERS

```

39:  TERMINAL INTERFACE CONTROL  (11110)
    40/1 TERMINAL?  (NO)
40:  DOES TERMINAL PROVIDE "DATA TERM READY"?  (NO)
41:  HALF DUPLEX MODEM?  (NO)
42:  **FOR HDX ONLY** TURN AROUND LINE AFTER EVERY CHARACTER?  (YES)
43:  **FOR HDX ONLY** MODEM TURNAROUND CHARACTER  ([CR])
44:  **FOR HDX ONLY** SECONDARY (SUPERVISORY) CHANNEL AVAILABLE?  (NO)
45:  **FOR HDX ONLY** "REQUEST TO SEND" TIMEOUT [MILLISECONDS]  (200)
46:  **FOR HDX ONLY** "SECONDARY CARRIER DROPPED" OPTION  (0)
47:  WAIT AFTER EOL FOR PROMPT OR AFTER ETX FOR ACK?  (NO)
48:  CHARACTER TO INITIATE WAIT PERIOD  ([ETX])
49:  WAIT FOR PROMPT BEFORE STARTING TRANSMISSION?  (NO)
50:  "PROMPT" OR "ACKNOWLEDGE" CHARACTER  ([^F])
51:  "RETRANSMIT FILE" CHARACTER  ([^U])
52:  IGNORE "NULL" CHARACTER FROM MODEM?  (YES)
53:  MODEM "NULL" CHARACTER  ([NULL])
54:  IS ATTACHED INSTRUCTION ECHOED?  (NO)
55:  SUBSTITUTE MODEM PARITY ERRORS WITH ERROR SYMBOL?  (YES)
56:  CHECK FOR MODEM FRAMING ERRORS?  (NO)
57:  INACTIVITY TIMEOUT [SECONDS]  (INACTIVE)
58:  NORMAL MODEM DATA
    PARITY - EVEN/ODD/NONE  (NONE)
    NUMBER OF DATA BITS
    INCLUDING FIXED BITS (IF ANY)  (8)
    EIGHTH DATA BIT  (0)
59:  BINARY MODEM DATA
    PARITY - EVEN/ODD/NONE  (NONE)
    NUMBER OF DATA BITS
    INCLUDING FIXED BITS (IF ANY)  (8)
60:  DOES MODEM PROVIDE "DATA SET READY"?  (YES)
61:  PRINTER PORT INSTALLED?  (YES)
62:  PRINTER DATA
    PARITY - EVEN/ODD/NONE  (NONE)
    NUMBER OF DATA BITS
    INCLUDING FIXED BITS (IF ANY)  (8)
    EIGHTH DATA BIT  (0)
63:  PRINTER INTERFACE CONTROL  (11110)
64:  DOES PRINTER PROVIDE "DATA TERM READY"?  (NO)
65:  DOES PRINTER PROVIDE "SEC. REQUEST TO SEND"?  (NO)
66:  DOES PRINTER REQUIRE "LINE FEED" AFTER "CARRIAGE RETURN"?  (YES)
67:  CHARACTER TO SEPARATE COMMAND AND ARGUMENT  ( )
68:  CHARACTER TO SEPARATE FILE NAMES  (/)
69:  CHARACTER TO START "ENTER AUTOMATIC" INCREMENTING FIELD  (<)
70:  CHARACTER TO END "ENTER AUTOMATIC" INCREMENTING FIELD  (>)
71:  CHARACTER TO SEPARATE FILE NAME AND EXTENSION  (+)
72:  CHARACTER TO SEPARATE COMMAND AND ATTACHED INSTRUCTION  (#)
73:  DIRECTORY BOUNDARY SPECIFICATION CHARACTER  (*)
74:  "DON'T CARE" CHARACTER FOR EXTENSION  (?)
75:  *** UNUSED ***
76:  USER RESPONSE TO "SURE?" MESSAGE  (Y)
77:  SYSTEM COMMAND CHARACTER - TERMINAL AND MODEM  (.)
78:  SYSTEM COMMAND CHARACTER - MODEM ONLY  (,)

```


CONFIGURATION PARAMETERS

79: "SELECT DRIVE 1" CHARACTER (1)
80: "SELECT DRIVE 2" CHARACTER (2)
81: "BAUD MODEM" COMMAND (BM)
82: "BAUD PRINTER" COMMAND (BP)
83: "BAUD TERMINAL" COMMAND (BT)
84: "COPY" COMMAND (C)
85: "CANCEL" COMMAND (CN)
86: "DISPLAY" COMMAND (D)
87: "DISPLAY DIRECTORY" COMMAND (DD)
88: "DISPLAY STATUS" COMMAND (DS)
89: "ENTER" COMMAND (E)
90: "ENTER AUTOMATIC" COMMAND (EA)
91: "ECHO MODE" COMMAND (EM)
92: "ECHO EXIT" COMMAND (EX)
93: "INCLUDE MODE" COMMAND (IM)
94: "INCLUDE MODE EXIT" COMMAND (IX)
95: "LOAD EXTENSION" COMMAND (LE)
96: "LOAD INITIAL VALUE" COMMAND (LI)
97: "MONITOR MODE" COMMAND (MM)
98: "MONITOR MODE EXIT" COMMAND (MX)
99: "PRINT" COMMAND (P)
100: "PRINT DIRECTORY" COMMAND (PD)
101: "RECEIVE" COMMAND (R)
102: "RECEIVE AUTOMATIC" COMMAND (RA)
"RENAME" COMMAND (RE)
103: "SEND" COMMAND (S)
104: "SEND DIRECTORY" COMMAND (SD)
105: "SEND STATUS" COMMAND (SS)
106: "SEQUENTIAL MODE" COMMAND (SM)
107: "ALPHA MODE" COMMAND (AM)
108: "STANDBY MODE" COMMAND (SB)
109: "WRITE-ENABLE" COMMAND (WE)
110: "WRITE-PROTECT" COMMAND (WP)
111: EDIT OPTION INSTALLED? (YES)
112: EDITOR LINE NUMBER SEPARATOR (.)
113: EDITOR CHARACTER STRING DELIMITER (/)
114: EDIT COMMAND CHARACTER (;)
115: PREPARE TO "EDIT" COMMAND (ED)
116: "SAVE FILE" COMMAND (SV)
117: EDITOR "APPEND" COMMAND (A)
118: EDITOR "DELETE" COMMAND (D)
119: EDITOR "INSERT" COMMAND (I)
120: EDITOR "LINE COUNT" COMMAND (=)
121: EDITOR "CLEAR" COMMAND (C)
122: EDITOR "LIST" COMMAND (L)
123: EDITOR "LIST-NUMBERED" COMMAND (N)
124: EDITOR "REPLACE" COMMAND (R)
125: EDITOR "SEARCH" COMMAND (S)
126: FORMS OPTION INSTALLED? (YES)
127: CHARACTER TO START FORMS VARIABLE FIELD (C)
128: CHARACTER TO END FORMS VARIABLE FIELD (I)
129: "FORMS COMPLETE" COMMAND (FC)

CONFIGURATION PARAMETERS

```

130: "FORMS VARIABLE" COMMAND (FU)
131: "FORMS EXIT" COMMAND (FX)
132: FORMS MODE STRING SEARCH CHARACTER ([^Y])
133: FORMS MODE-UTILITY CHARACTER ([^L])
134: FORMS "LINE RE-ENTER" CHARACTER ([^Z])
135: FORMS MODE - FILL IN FROM DRIVE 1 ([^O])
136: FORMS MODE - FILL IN FROM DRIVE 2 ([^N])
137: FORMS "TAB" CHARACTER ([CR])
138: ANSWERBACK MESSAGE (**NONE**)
139: CHARACTER TO INITIATE ANSWERBACK MESSAGE ([^E])
140: USER COMMAND TABLE (**NONE**)
141: SELF-START ON POWER-UP OR RESTART? (NO)
142: SEND ANSWER BACK MESSAGE AFTER INITIAL CONNECTION? (NO)
143: INHIBIT AUTO LINEFEED TO MODEM PORT? (NO)
144: TERMINAL/MODEM BUFFER SIZES (00)
145: LOWER DSR DURING STANDBY? (NO)
146: USE EIA LINES TO CLOSE FILES? (NO)
147: SELF-START ON AUTO-ANSWER? (NO)
148: INHIBIT MONITOR MODE ON SEND? (NO)
149: RAISE RTS AFTER RECEIVING EOT? (NO)
150: "FORMS COMPLETE" COMMAND (SAME AS #129) (FC)
151: "FORMS VARIABLE" COMMAND (SAME AS #130) (FU)
152: "FORMS EXIT" COMMAND (SAME AS #131) (FX)
153: AUTO LOAD MODE ENABLED? (NO)
154: DOES TERMINAL HAVE CURSOR CONTROL? (NO)
155: PREPRINT PAGE? (YES)
156: PREPRINT LINE? (NO)
157: SKIP INTERMEDIATE LINES? (NO)
158: "SKIPPED LINE" CHARACTER (-)
159: ENABLE REDISPLAY? (YES)
160: "GO TO TOP OF PAGE" CHARACTER #1 ([^A])
      CHARACTER #2 ([^A])
161: "CLEAR AND RESTART PAGE" CHARACTER ([^L])
162: "BACKFIELD" CHARACTER #1 ([^B])
      CHARACTER #2 ([^B])
163: "CLOSE FIELD" CHARACTER #1 ([CR])
      CHARACTER #2 ([CR])
164: "TAB" CHARACTER #1 ([TAB])
      CHARACTER #2 ([TAB])
165: "AUTO TAB" CHARACTER ([^Z])
166: "ERROR OVERRIDE" CHARACTER ([^K])
167: "CLOSE PAGE" CHARACTER ([^P])
168: "VERIFY PAGE" CHARACTER ([^V])
169: "VERIFY BYPASS" CHARACTER ([^Y])
170: "CLOSE FORM" CHARACTER (SAME AS #8) ([ETX])
171: FILL IN FROM DRIVE 1 CHARACTER (SAME AS #135) ([^O])
172: FILL IN FROM DRIVE 2 CHARACTER (SAME AS #136) ([^N])
173: CURSOR RIGHT CHARACTER ENTERED #1 ([^R])
      CHARACTER ENTERED #2 ([^R])
174: CURSOR LEFT CHARACTER ENTERED (SAME AS #27) ([BS])
175: CURSOR LEFT OUTPUT CHARACTER ([ESC]D)
176: CURSOR RIGHT OUTPUT CHARACTER ([ESC]C)

```


CONFIGURATION PARAMETERS

```

177: CURSOR UP OUTPUT CHARACTER (ESC)A)
178: CURSOR DOWN OUTPUT CHARACTER (ESC)B)
179: CARRIAGE RETURN OUTPUT CHARACTER (CR)
180: CURSOR HOME OUTPUT CHARACTER (ESC)H)
181: CLEAR SCREEN OUTPUT CHARACTER (ESC)J)
182: LITERAL FIELD FRAMING CHARACTER (LW)
183: SECURITY FIELD FILL CHARACTER (*)
184: DECIMAL POINT CHARACTER (.)
185: PLUS SIGN CHARACTER (**NONE**)
186: MINUS SIGN CHARACTER (-)
187: FIELD MISMATCH ERROR CHARACTER (?)
188: NUMERIC ERROR CHARACTER (#)
189: EMPTY FIELD FILL CHARACTER ( )
190: OUTPUT FIXED LENGTH FIELDS? (YES)
191: OUTPUT WITH DELIMITERS? (NO)
192: MID-LINE OUTPUT DELIMITER (CR)
193: END-OF-LINE OUTPUT DELIMITER (CR)
194: SUBSTITUTION TABLE MINOR DELIMITER (,)
195: SUBSTITUTION TABLE AND ALLOWABLE ENTRY TABLE MAJOR DELIMITER (:)
196: END OF PAGE INDICATION OPTION (0, 1, 2, OR 3) (1)
197: VARIABLE FIELD INDICATOR CHARACTER #1 (<)
      CHARACTER #2 (>)
198: INHIBIT OUTPUT ON SKIPPED PAGES? (YES)

```


LAYOUT FILE

```

ENVIRONMENTAL AND STATION DATA          FORM PAGE 01
ACTION FIELD < RECORD TYPE < SEQUENCE NO: YEAR << COLLECTION NO <<<<<
REPLICATE << SPECIES <<<<<<<<<<<< STATUS < LINE NUMBER <<<
PROGRAM <<< DATE (YYMMDD) <<<<<<<<<<<< STATION NUMBER <<<<<
STARTING LOCATION <<<<<<<<<<<< GRID <<<< QUADRANT <
TIME (24 HR) <<<< DURATION (MIN) <<<< RIG < TOW TYPE <
GEAR <<< GEAR PARAMETER: #1 <<<< #2 <<<< #3 <<<<
SEDIMENT SIZE < BOTTOM COMP. < BOTTOM PROFILE < DEPTH (METERS) <<<
TEMPERATURE (CENTIGRADE): AIR <<< SURFACE <<< BOTTOM <<<
SALINITY (PPT): SURFACE <<< BOTTOM <<< VARIABLE FIELD #1 <<<<
DISSOLVED OXYGEN: SURFACE <<< BOTTOM <<< PH <<
WEATHER ELEMENT < VARIABLE FIELD #2 <<<<
WIND DIRECTION < WIND SPEED << CURRENT DIRECTION < CURRENT SPEED <<
WATER LEVEL << ALTITUDE STATE < ALLOWED FISHING ACTIVITY <
NUMBER OF REPLICATES <<
-----LOAD THE FOLLOWING RECORD TYPE-CHOOSE WITH AN 'X'-----
ONE < TWO < THREE < FOUR < FIVE < SIX < SEVEN < EIGHT < NINE <

```


BIOFORM-01 ATTRIBUTES

ACTION FIELD

1: TAB STOP (YES)
 1: INPUT TYPE (KEYBOARD-CONSTANT:)
 1: CHARACTER TYPE (ALPHA)
 1: SECURITY FIELD (NO)
 1: OVERRIDE ERROR FIELD (NO)
 1: MINIMUM LENGTH (0)
 1: EXACT LENGTH TABLE (NO)
 1: RANGE (NO)
 1: ALLOWABLE ENTRY (YES:
 DRIVE: 1 FILE: ACTION)
 1: SUBSTITUTION (NO)
 1: JUSTIFICATION (RIGHT)
 1: FILL CHARACTER ()
 1: FLOAT CHARACTER ()
 1: DECIMAL POSITIONS (0)
 1: SIGN POSITION (LEADING)
 1: AUTO CLOSE (YES)
 1: ARITHMETIC OPERATION (NO)
 1: AUTO FILL-IN (NO)
 1: NEXT PAGE NUMBER (NO)
 1: BRANCHING (NO)
 1: AUTO-INCREMENT (NO)
 1: OUTPUT TO MEMORY CELL (NO)
 1: OUTPUT TO DISKETTE (YES)

RECORD TYPE

2: TAB STOP (YES)
 2: INPUT TYPE (CONSTANT: 1)
 2: CHARACTER TYPE (DIGIT)
 2: SECURITY FIELD (NO)
 2: OVERRIDE ERROR FIELD (NO)
 2: MINIMUM LENGTH (0)
 2: EXACT LENGTH TABLE (NO)
 2: RANGE (NO)
 2: ALLOWABLE ENTRY (NO)
 2: SUBSTITUTION (NO)
 2: JUSTIFICATION (RIGHT)
 2: FILL CHARACTER ()
 2: FLOAT CHARACTER ()
 2: DECIMAL POSITIONS (0)
 2: SIGN POSITION (LEADING)
 2: AUTO CLOSE (YES)
 2: ARITHMETIC OPERATION (NO)
 2: AUTO FILL-IN (NO)
 2: NEXT PAGE NUMBER (NO)
 2: BRANCHING (NO)
 2: AUTO-INCREMENT (NO)
 2: OUTPUT TO MEMORY CELL (NO)
 2: OUTPUT TO DISKETTE (YES)

BIOFORM-01

SEQUENCE
NO: YEAR

3: TAB STOP (YES)
3: INPUT TYPE (KEYBOARD)
3: CHARACTER TYPE (DIGIT)
3: SECURITY FIELD (NO)
3: OVERRIDE ERROR FIELD (NO)
3: MINIMUM LENGTH (0)
3: EXACT LENGTH TABLE (YES:
2)
3: RANGE (YES:
FROM: 65 TO: 85)
3: ALLOWABLE ENTRY (NO)
3: SUBSTITUTION (NO)
3: JUSTIFICATION (RIGHT)
3: FILL CHARACTER ()
3: FLOAT CHARACTER ()
3: DECIMAL POSITIONS (0)
3: SIGN POSITION (LEADING)
3: AUTO CLOSE (YES)
3: ARITHMETIC OPERATION (NO)
3: AUTO FILL-IN (NO)
3: NEXT PAGE NUMBER (NO)
3: BRANCHING (NO)
3: AUTO-INCREMENT (NO)
3: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 1)
3: OUTPUT TO DISKETTE (YES)

SEQUENCE
NO: COLLECTION
NO

4: TAB STOP (YES)
4: INPUT TYPE (KEYBOARD)
4: CHARACTER TYPE (DIGIT)
4: SECURITY FIELD (NO)
4: OVERRIDE ERROR FIELD (NO)
4: MINIMUM LENGTH (1)
4: EXACT LENGTH TABLE (NO)
4: RANGE (NO)
4: ALLOWABLE ENTRY (NO)
4: SUBSTITUTION (NO)
4: JUSTIFICATION (RIGHT)
4: FILL CHARACTER (0)
4: FLOAT CHARACTER (0)
4: DECIMAL POSITIONS (0)
4: SIGN POSITION (LEADING)
4: AUTO CLOSE (YES)
4: ARITHMETIC OPERATION (NO)
4: AUTO FILL-IN (NO)
4: NEXT PAGE NUMBER (NO)
4: BRANCHING (FIXED LINE: 6 POSITION: 1)
4: AUTO-INCREMENT (NO)
4: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 2)
4: OUTPUT TO DISKETTE (YES)

BIOFORM-01

REPLICATE

5: TAB STOP (YES)
 5: INPUT TYPE (KEYBOARD)
 5: CHARACTER TYPE (PRINTABLE)
 5: SECURITY FIELD (NO)
 5: OVERRIDE ERROR FIELD (NO)
 5: MINIMUM LENGTH (0)
 5: EXACT LENGTH TABLE (NO)
 5: RANGE (NO)
 5: ALLOWABLE ENTRY (NO)
 5: SUBSTITUTION (NO)
 5: JUSTIFICATION (LEFT)
 5: FILL CHARACTER ()
 5: FLOAT CHARACTER ()
 5: DECIMAL POSITIONS (0)
 5: SIGN POSITION (LEADING)
 5: AUTO CLOSE (YES)
 5: ARITHMETIC OPERATION (NO)
 5: AUTO FILL-IN (NO)
 5: NEXT PAGE NUMBER (NO)
 5: BRANCHING (NO)
 5: AUTO-INCREMENT (NO)
 5: OUTPUT TO MEMORY CELL (NO)
 5: OUTPUT TO DISKETTE (YES)

SPECIES

6: TAB STOP (YES)
 6: INPUT TYPE (KEYBOARD)
 6: CHARACTER TYPE (PRINTABLE)
 6: SECURITY FIELD (NO)
 6: OVERRIDE ERROR FIELD (NO)
 6: MINIMUM LENGTH (0)
 6: EXACT LENGTH TABLE (NO)
 6: RANGE (NO)
 6: ALLOWABLE ENTRY (NO)
 6: SUBSTITUTION (NO)
 6: JUSTIFICATION (LEFT)
 6: FILL CHARACTER ()
 6: FLOAT CHARACTER ()
 6: DECIMAL POSITIONS (0)
 6: SIGN POSITION (LEADING)
 6: AUTO CLOSE (YES)
 6: ARITHMETIC OPERATION (NO)
 6: AUTO FILL-IN (NO)
 6: NEXT PAGE NUMBER (NO)
 6: BRANCHING (NO)
 6: AUTO-INCREMENT (NO)
 6: OUTPUT TO MEMORY CELL (NO)
 6: OUTPUT TO DISKETTE (YES)

BIOFORM-01

STATUS

7: TAB STOP (YES)
7: INPUT TYPE (KEYBOARD)
7: CHARACTER TYPE (PRINTABLE)
7: SECURITY FIELD (NO)
7: OVERRIDE ERROR FIELD (NO)
7: MINIMUM LENGTH (0)
7: EXACT LENGTH TABLE (NO)
7: RANGE (NO)
7: ALLOWABLE ENTRY (NO)
7: SUBSTITUTION (NO)
7: JUSTIFICATION (LEFT)
7: FILL CHARACTER ()
7: FLOAT CHARACTER ()
7: DECIMAL POSITIONS (0)
7: SIGN POSITION (LEADING)
7: AUTO CLOSE (YES)
7: ARITHMETIC OPERATION (NO)
7: AUTO FILL-IN (NO)
7: NEXT PAGE NUMBER (NO)
7: BRANCHING (NO)
7: AUTO-INCREMENT (NO)
7: OUTPUT TO MEMORY CELL (NO)
7: OUTPUT TO DISKETTE (YES)

LINE
NUMBER

8: TAB STOP (YES)
8: INPUT TYPE (KEYBOARD)
8: CHARACTER TYPE (PRINTABLE)
8: SECURITY FIELD (NO)
8: OVERRIDE ERROR FIELD (NO)
8: MINIMUM LENGTH (0)
8: EXACT LENGTH TABLE (NO)
8: RANGE (NO)
8: ALLOWABLE ENTRY (NO)
8: SUBSTITUTION (NO)
8: JUSTIFICATION (LEFT)
8: FILL CHARACTER ()
8: FLOAT CHARACTER ()
8: DECIMAL POSITIONS (0)
8: SIGN POSITION (LEADING)
8: AUTO CLOSE (YES)
8: ARITHMETIC OPERATION (NO)
8: AUTO FILL-IN (NO)
8: NEXT PAGE NUMBER (NO)
8: BRANCHING (NO)
8: AUTO-INCREMENT (NO)
8: OUTPUT TO MEMORY CELL (NO)
8: OUTPUT TO DISKETTE (YES)

BIOFORM-01

PROGRAM

9: TAB STOP (YES)
 9: INPUT TYPE (KEYBOARD)
 9: CHARACTER TYPE (DIGIT)
 9: SECURITY FIELD (NO)
 9: OVERRIDE ERROR FIELD (YES)
 9: MINIMUM LENGTH (0)
 9: EXACT LENGTH TABLE (YES:
 3)
 9: RANGE (NO)
 9: ALLOWABLE ENTRY (NO)
 9: SUBSTITUTION (NO)
 9: JUSTIFICATION (RIGHT)
 9: FILL CHARACTER ()
 9: FLOAT CHARACTER ()
 9: DECIMAL POSITIONS (0)
 9: SIGN POSITION (LEADING)
 9: AUTO CLOSE (YES)
 9: ARITHMETIC OPERATION (NO)
 9: AUTO FILL-IN (NO)
 9: NEXT PAGE NUMBER (NO)
 9: BRANCHING (NO)
 9: AUTO-INCREMENT (NO)
 9: OUTPUT TO MEMORY CELL (NO)
 9: OUTPUT TO DISKETTE (YES)

DATE
 (YYMMDD)

10: TAB STOP (YES)
 10: INPUT TYPE (KEYBOARD)
 10: CHARACTER TYPE (DIGIT)
 10: SECURITY FIELD (NO)
 10: OVERRIDE ERROR FIELD (YES)
 10: MINIMUM LENGTH (0)
 10: EXACT LENGTH TABLE (YES:
 6)
 10: RANGE (YES:
 FROM: 640000 TO: 851231)
 10: ALLOWABLE ENTRY (NO)
 10: SUBSTITUTION (NO)
 10: JUSTIFICATION (RIGHT)
 10: FILL CHARACTER ()
 10: FLOAT CHARACTER ()
 10: DECIMAL POSITIONS (0)
 10: SIGN POSITION (LEADING)
 10: AUTO CLOSE (YES)
 10: ARITHMETIC OPERATION (NO)
 10: AUTO FILL-IN (NO)
 10: NEXT PAGE NUMBER (NO)
 10: BRANCHING (NO)
 10: AUTO-INCREMENT (NO)
 10: OUTPUT TO MEMORY CELL (NO)
 10: OUTPUT TO DISKETTE (YES)

BIOFORM-01

STATION
NUMBER

11: TAB STOP (YES)
11: INPUT TYPE (KEYBOARD)
11: CHARACTER TYPE (MIXED)
11: SECURITY FIELD (NO)
11: OVERRIDE ERROR FIELD (YES)
11: MINIMUM LENGTH (0)
11: EXACT LENGTH TABLE (NO)
11: RANGE (NO)
11: ALLOWABLE ENTRY (NO)
11: SUBSTITUTION (NO)
11: JUSTIFICATION (LEFT)
11: FILL CHARACTER ()
11: FLOAT CHARACTER ()
11: DECIMAL POSITIONS (0)
11: SIGN POSITION (LEADING)
11: AUTO CLOSE (YES)
11: ARITHMETIC OPERATION (NO)
11: AUTO FILL-IN (NO)
11: NEXT PAGE NUMBER (NO)
11: BRANCHING (NO)
11: AUTO-INCREMENT (NO)
11: OUTPUT TO MEMORY CELL (NO)
11: OUTPUT TO DISKETTE (YES)

STARTING
LOCATION

12: TAB STOP (YES)
12: INPUT TYPE (KEYBOARD)
12: CHARACTER TYPE (DIGIT)
12: SECURITY FIELD (NO)
12: OVERRIDE ERROR FIELD (YES)
12: MINIMUM LENGTH (0)
12: EXACT LENGTH TABLE (YES:
10)
12: RANGE (YES:
FROM: 0000000000 TO: 4400000000)
12: ALLOWABLE ENTRY (NO)
12: SUBSTITUTION (NO)
12: JUSTIFICATION (RIGHT)
12: FILL CHARACTER ()
12: FLOAT CHARACTER ()
12: DECIMAL POSITIONS (0)
12: SIGN POSITION (LEADING)
12: AUTO CLOSE (YES)
12: ARITHMETIC OPERATION (NO)
12: AUTO FILL-IN (NO)
12: NEXT PAGE NUMBER (NO)
12: BRANCHING (NO)
12: AUTO-INCREMENT (NO)
12: OUTPUT TO MEMORY CELL (NO)
12: OUTPUT TO DISKETTE (YES)

BIOFORM-01

GRID

13: TAB STOP (YES)
 13: INPUT TYPE (KEYBOARD)
 13: CHARACTER TYPE (MIXED)
 13: SECURITY FIELD (NO)
 13: OVERRIDE ERROR FIELD (YES)
 13: MINIMUM LENGTH (0)
 13: EXACT LENGTH TABLE (NO)
 13: RANGE (NO)
 13: ALLOWABLE ENTRY (NO)
 13: SUBSTITUTION (NO)
 13: JUSTIFICATION (RIGHT)
 13: FILL CHARACTER ()
 13: FLOAT CHARACTER ()
 13: DECIMAL POSITIONS (0)
 13: SIGN POSITION (LEADING)
 13: AUTO CLOSE (YES)
 13: ARITHMETIC OPERATION (NO)
 13: AUTO FILL-IN (NO)
 13: NEXT PAGE NUMBER (NO)
 13: BRANCHING (NO)
 13: AUTO-INCREMENT (NO)
 13: OUTPUT TO MEMORY CELL (NO)
 13: OUTPUT TO DISKETTE (YES)

QUADRANT

14: TAB STOP (YES)
 14: INPUT TYPE (KEYBOARD)
 14: CHARACTER TYPE (DIGIT)
 14: SECURITY FIELD (NO)
 14: OVERRIDE ERROR FIELD (YES)
 14: MINIMUM LENGTH (0)
 14: EXACT LENGTH TABLE (NO)
 14: RANGE (NO)

 14: ALLOWABLE ENTRY (NO)
 14: SUBSTITUTION (YES - RAM:
 0, ;)
 14: JUSTIFICATION (RIGHT)
 14: FILL CHARACTER ()
 14: FLOAT CHARACTER ()
 14: DECIMAL POSITIONS (0)
 14: SIGN POSITION (LEADING)
 14: AUTO CLOSE (YES)
 14: ARITHMETIC OPERATION (NO)
 14: AUTO FILL-IN (NO)
 14: NEXT PAGE NUMBER (NO)
 14: BRANCHING (NO)
 14: AUTO-INCREMENT (NO)
 14: OUTPUT TO MEMORY CELL (NO)
 14: OUTPUT TO DISKETTE (YES)

BIOFORM-01

TIME
(24 HR)

15: TAB STOP (YES)
 15: INPUT TYPE (KEYBOARD)
 15: CHARACTER TYPE (DIGIT)
 15: SECURITY FIELD (NO)
 15: OVERRIDE ERROR FIELD (YES)
 15: MINIMUM LENGTH (0)
 15: EXACT LENGTH TABLE (NO)
 15: RANGE (YES:
 FROM: 0000 TO: 2400)
 15: ALLOWABLE ENTRY (NO)
 15: SUBSTITUTION (NO)
 15: JUSTIFICATION (RIGHT)
 15: FILL CHARACTER ()
 15: FLOAT CHARACTER ()
 15: DECIMAL POSITIONS (0)
 15: SIGN POSITION (LEADING)
 15: AUTO CLOSE (YES)
 15: ARITHMETIC OPERATION (NO)
 15: AUTO FILL-IN (NO)
 15: NEXT PAGE NUMBER (NO)
 15: BRANCHING (NO)
 15: AUTO-INCREMENT (NO)
 15: OUTPUT TO MEMORY CELL (NO)
 15: OUTPUT TO DISKETTE (YES)

DURATION
(MIN)

16: TAB STOP (YES)
 16: INPUT TYPE (KEYBOARD)
 16: CHARACTER TYPE (PRINTABLE)
 16: SECURITY FIELD (NO)
 16: OVERRIDE ERROR FIELD (YES)
 16: MINIMUM LENGTH (0)
 16: EXACT LENGTH TABLE (NO)
 16: RANGE (NO)
 16: ALLOWABLE ENTRY (NO)
 16: SUBSTITUTION (NO)
 16: JUSTIFICATION (RIGHT)
 16: FILL CHARACTER ()
 16: FLOAT CHARACTER ()
 16: DECIMAL POSITIONS (0)
 16: SIGN POSITION (LEADING)
 16: AUTO CLOSE (YES)
 16: ARITHMETIC OPERATION (NO)
 16: AUTO FILL-IN (NO)
 16: NEXT PAGE NUMBER (NO)
 16: BRANCHING (NO)
 16: AUTO-INCREMENT (NO)
 16: OUTPUT TO MEMORY CELL (NO)
 16: OUTPUT TO DISKETTE (YES)

BIOFORM-01

GEAR

17: TAB STOP (YES)
 17: INPUT TYPE (KEYBOARD)
 17: CHARACTER TYPE (DIGIT)
 17: SECURITY FIELD (NO)
 17: OVERRIDE ERROR FIELD (YES)
 17: MINIMUM LENGTH (0)
 17: EXACT LENGTH TABLE (YES:
 3)
 17: RANGE (NO)
 17: ALLOWABLE ENTRY (NO)
 17: SUBSTITUTION (NO)
 17: JUSTIFICATION (RIGHT)
 17: FILL CHARACTER (0)
 17: FLOAT CHARACTER (0)
 17: DECIMAL POSITIONS (0)
 17: SIGN POSITION (LEADING)
 17: AUTO CLOSE (YES)
 17: ARITHMETIC OPERATION (NO)
 17: AUTO FILL-IN (NO)
 17: NEXT PAGE NUMBER (NO)
 17: BRANCHING (NO)
 17: AUTO-INCREMENT (NO)
 17: OUTPUT TO MEMORY CELL (NO)
 17: OUTPUT TO DISKETTE (YES)

GEAR PARAMETER:
 #1

18: TAB STOP (YES)
 18: INPUT TYPE (KEYBOARD)
 18: CHARACTER TYPE (PRINTABLE)
 18: SECURITY FIELD (NO)
 18: OVERRIDE ERROR FIELD (YES)
 18: MINIMUM LENGTH (0)
 18: EXACT LENGTH TABLE (YES: 0,4)
 18: RANGE (NO)
 18: ALLOWABLE ENTRY (NO)
 18: SUBSTITUTION (NO)
 18: JUSTIFICATION (RIGHT)
 18: FILL CHARACTER ()
 18: FLOAT CHARACTER ()
 18: DECIMAL POSITIONS (0)
 18: SIGN POSITION (LEADING)
 18: AUTO CLOSE (YES)
 18: ARITHMETIC OPERATION (NO)
 18: AUTO FILL-IN (NO)
 18: NEXT PAGE NUMBER (NO)
 18: BRANCHING (NO)
 18: AUTO-INCREMENT (NO)
 18: OUTPUT TO MEMORY CELL (NO)
 18: OUTPUT TO DISKETTE (YES)

BIOFORM-01

GEAR PARAMETER:
#2

19: TAB STOP (YES)
19: INPUT TYPE (KEYBOARD)
19: CHARACTER TYPE (PRINTABLE)
19: SECURITY FIELD (NO)
19: OVERRIDE ERROR FIELD (YES)
19: MINIMUM LENGTH (0)
19: EXACT LENGTH TABLE (YES: 0,4)
19: RANGE (NO)
19: ALLOWABLE ENTRY (NO)
19: SUBSTITUTION (NO)
19: JUSTIFICATION (RIGHT)
19: FILL CHARACTER ()
19: FLOAT CHARACTER ()
19: DECIMAL POSITIONS (0)
19: SIGN POSITION (LEADING)
19: AUTO CLOSE (YES)
19: ARITHMETIC OPERATION (NO)
19: AUTO FILL-IN (NO)
19: NEXT PAGE NUMBER (NO)
19: BRANCHING (NO)
19: AUTO-INCREMENT (NO)
19: OUTPUT TO MEMORY CELL (NO)
19: OUTPUT TO DISKETTE (YES)

GEAR PARAMETER:
#3

20: TAB STOP (YES)
20: INPUT TYPE (KEYBOARD)
20: CHARACTER TYPE (PRINTABLE)
20: SECURITY FIELD (NO)
20: OVERRIDE ERROR FIELD (YES)
20: MINIMUM LENGTH (0)
20: EXACT LENGTH TABLE (YES: 0,4)
20: RANGE (NO)
20: ALLOWABLE ENTRY (NO)
20: SUBSTITUTION (NO)
20: JUSTIFICATION (RIGHT)
20: FILL CHARACTER ()
20: FLOAT CHARACTER ()
20: DECIMAL POSITIONS (0)
20: SIGN POSITION (LEADING)
20: AUTO CLOSE (YES)
20: ARITHMETIC OPERATION (NO)
20: AUTO FILL-IN (NO)
20: NEXT PAGE NUMBER (NO)
20: BRANCHING (NO)
20: AUTO-INCREMENT (NO)
20: OUTPUT TO MEMORY CELL (NO)
20: OUTPUT TO DISKETTE (YES)

BIOFORM-01

RIG

21: TAB STOP (YES)
 21: INPUT TYPE (KEYBOARD)
 21: CHARACTER TYPE (DIGIT)
 21: SECURITY FIELD (NO)
 21: OVERRIDE ERROR FIELD (YES)
 21: MINIMUM LENGTH (0)
 21: EXACT LENGTH TABLE (NO)
 21: RANGE (NO)
 21: ALLOWABLE ENTRY (NO)
 21: SUBSTITUTION (NO)
 21: JUSTIFICATION (RIGHT)
 21: FILL CHARACTER ()
 21: FLOAT CHARACTER ()
 21: DECIMAL POSITIONS (0)
 21: SIGN POSITION (LEADING)
 21: AUTO CLOSE (YES)
 21: ARITHMETIC OPERATION (NO)
 21: AUTO FILL-IN (NO)
 21: NEXT PAGE NUMBER (NO)
 21: BRANCHING (NO)
 21: AUTO-INCREMENT (NO)
 21: OUTPUT TO MEMORY CELL (NO)
 21: OUTPUT TO DISKETTE (YES)

TOW
 TYPE

22: TAB STOP (YES)
 22: INPUT TYPE (KEYBOARD)
 22: CHARACTER TYPE (DIGIT)
 22: SECURITY FIELD (NO)
 22: OVERRIDE ERROR FIELD (YES)
 22: MINIMUM LENGTH (0)
 22: EXACT LENGTH TABLE (NO)
 22: RANGE (YES:
 FROM: 0 TO: 4)
 22: ALLOWABLE ENTRY (NO)
 22: SUBSTITUTION (YES - RAM:
 0, ;)
 22: JUSTIFICATION (RIGHT)
 22: FILL CHARACTER ()
 22: FLOAT CHARACTER ()
 22: DECIMAL POSITIONS (0)
 22: SIGN POSITION (LEADING)
 22: AUTO CLOSE (YES)
 22: ARITHMETIC OPERATION (NO)
 22: AUTO FILL-IN (NO)
 22: NEXT PAGE NUMBER (NO)
 22: BRANCHING (NO)
 22: AUTO-INCREMENT (NO)
 22: OUTPUT TO MEMORY CELL (NO)
 22: OUTPUT TO DISKETTE (YES)

BIOFORM-01

SEDIMENT
SIZE

23: TAB STOP (YES)
23: INPUT TYPE (KEYBOARD)
23: CHARACTER TYPE (MIXED)
23: SECURITY FIELD (NO)
23: OVERRIDE ERROR FIELD (YES)
23: MINIMUM LENGTH (0)
23: EXACT LENGTH TABLE (NO)
23: RANGE (NO)
23: ALLOWABLE ENTRY (NO)
23: SUBSTITUTION (NO)
23: JUSTIFICATION (RIGHT)
23: FILL CHARACTER ()
23: FLOAT CHARACTER ()
23: DECIMAL POSITIONS (0)
23: SIGN POSITION (LEADING)
23: AUTO CLOSE (YES)
23: ARITHMETIC OPERATION (NO)
23: AUTO FILL-IN (NO)
23: NEXT PAGE NUMBER (NO)
23: BRANCHING (NO)
23: AUTO-INCREMENT (NO)
23: OUTPUT TO MEMORY CELL (NO)
23: OUTPUT TO DISKETTE (YES)

BOTTOM
COMP.

24: TAB STOP (YES)
24: INPUT TYPE (KEYBOARD)
24: CHARACTER TYPE (ALPHA)
24: SECURITY FIELD (NO)
24: OVERRIDE ERROR FIELD (YES)
24: MINIMUM LENGTH (0)
24: EXACT LENGTH TABLE (NO)
24: RANGE (NO)
24: ALLOWABLE ENTRY (NO)
24: SUBSTITUTION (NO)
24: JUSTIFICATION (RIGHT)
24: FILL CHARACTER ()
24: FLOAT CHARACTER ()
24: DECIMAL POSITIONS (0)
24: SIGN POSITION (LEADING)
24: AUTO CLOSE (YES)
24: ARITHMETIC OPERATION (NO)
24: AUTO FILL-IN (NO)
24: NEXT PAGE NUMBER (NO)
24: BRANCHING (NO)
24: AUTO-INCREMENT (NO)
24: OUTPUT TO MEMORY CELL (NO)
24: OUTPUT TO DISKETTE (YES)

BIOFORM-01

BOTTOM
PROFILE

25: TAB STOP (YES)
 25: INPUT TYPE (KEYBOARD)
 25: CHARACTER TYPE (DIGIT)
 25: SECURITY FIELD (NO)
 25: OVERRIDE ERROR FIELD (YES)
 25: MINIMUM LENGTH (0)
 25: EXACT LENGTH TABLE (NO)
 25: RANGE (YES:
 FROM: 0 TO: 6)
 25: ALLOWABLE ENTRY (NO)
 25: SUBSTITUTION (YES - RAM:
 0, ;)
 25: JUSTIFICATION (RIGHT)
 25: FILL CHARACTER ()
 25: FLOAT CHARACTER ()
 25: DECIMAL POSITIONS (0)
 25: SIGN POSITION (LEADING)
 25: AUTO CLOSE (YES)
 25: ARITHMETIC OPERATION (NO)
 25: AUTO FILL-IN (NO)
 25: NEXT PAGE NUMBER (NO)
 25: BRANCHING (NO)
 25: AUTO-INCREMENT (NO)
 25: OUTPUT TO MEMORY CELL (NO)
 25: OUTPUT TO DISKETTE (YES)

DEPTH
(METERS)

26: TAB STOP (YES)
 26: INPUT TYPE (KEYBOARD)
 26: CHARACTER TYPE (PRINTABLE)
 26: SECURITY FIELD (NO)
 26: OVERRIDE ERROR FIELD (YES)
 26: MINIMUM LENGTH (0)
 26: EXACT LENGTH TABLE (NO)
 26: RANGE (NO)
 26: ALLOWABLE ENTRY (NO)
 26: SUBSTITUTION (NO)
 26: JUSTIFICATION (RIGHT)
 26: FILL CHARACTER ()
 26: FLOAT CHARACTER ()
 26: DECIMAL POSITIONS (0)
 26: SIGN POSITION (LEADING)
 26: AUTO CLOSE (YES)
 26: ARITHMETIC OPERATION (NO)
 26: AUTO FILL-IN (NO)
 26: NEXT PAGE NUMBER (NO)
 26: BRANCHING (NO)
 26: AUTO-INCREMENT (NO)
 26: OUTPUT TO MEMORY CELL (NO)
 26: OUTPUT TO DISKETTE (YES)

BIOFORM-01

TEMPERATURE
(CENTIGRADE):
AIR

27: TAB STOP (YES)
27: INPUT TYPE (KEYBOARD)
27: CHARACTER TYPE (DIGIT)
27: SECURITY FIELD (NO)
27: OVERRIDE ERROR FIELD (YES)
27: MINIMUM LENGTH (0)
27: EXACT LENGTH TABLE (YES:
0,3)
27: RANGE (YES:
FROM: -99 TO: 400)
27: ALLOWABLE ENTRY (NO)
27: SUBSTITUTION (NO)
27: JUSTIFICATION (RIGHT)
27: FILL CHARACTER ()
27: FLOAT CHARACTER ()
27: DECIMAL POSITIONS (0)
27: SIGN POSITION (LEADING)
27: AUTO CLOSE (YES)
27: ARITHMETIC OPERATION (NO)
27: AUTO FILL-IN (NO)
27: NEXT PAGE NUMBER (NO)
27: BRANCHING (NO)
27: AUTO-INCREMENT (NO)
27: OUTPUT TO MEMORY CELL (NO)
27: OUTPUT TO DISKETTE (YES)

TEMPERATURE
(CENTIGRADE):
SURFACE

28: TAB STOP (YES)
28: INPUT TYPE (KEYBOARD)
28: CHARACTER TYPE (DIGIT)
28: SECURITY FIELD (NO)
28: OVERRIDE ERROR FIELD (YES)
28: MINIMUM LENGTH (0)
28: EXACT LENGTH TABLE (YES:
0,3)
28: RANGE (YES:
FROM: -50 TO: 400)
28: ALLOWABLE ENTRY (NO)
28: SUBSTITUTION (NO)
28: JUSTIFICATION (RIGHT)
28: FILL CHARACTER ()
28: FLOAT CHARACTER ()
28: DECIMAL POSITIONS (0)
28: SIGN POSITION (LEADING)
28: AUTO CLOSE (YES)
28: ARITHMETIC OPERATION (NO)
28: AUTO FILL-IN (NO)
28: NEXT PAGE NUMBER (NO)
28: BRANCHING (NO)
28: AUTO-INCREMENT (NO)
28: OUTPUT TO MEMORY CELL (NO)
28: OUTPUT TO DISKETTE (YES)

BIOFORM-01

TEMPERATURE
(CENTIGRADE):
BOTTOM

29: TAB STOP (YES)
29: INPUT TYPE (KEYBOARD)
29: CHARACTER TYPE (DIGIT)
29: SECURITY FIELD (NO)
29: OVERRIDE ERROR FIELD (YES)
29: MINIMUM LENGTH (0)
29: EXACT LENGTH TABLE (YES:
0,3)
29: RANGE (YES:
FROM: -50 TO: 400)
29: ALLOWABLE ENTRY (NO)
29: SUBSTITUTION (NO)
29: JUSTIFICATION (RIGHT)
29: FILL CHARACTER ()
29: FLOAT CHARACTER ()
29: DECIMAL POSITIONS (0)
29: SIGN POSITION (LEADING)
29: AUTO CLOSE (YES)
29: ARITHMETIC OPERATION (NO)
29: AUTO FILL-IN (NO)
29: NEXT PAGE NUMBER (NO)
29: BRANCHING (NO)
29: AUTO-INCREMENT (NO)
29: OUTPUT TO MEMORY CELL (NO)
29: OUTPUT TO DISKETTE (YES)

SALINITY
(PPT):
SURFACE

30: TAB STOP (YES)
30: INPUT TYPE (KEYBOARD)
30: CHARACTER TYPE (DIGIT)
30: SECURITY FIELD (NO)
30: OVERRIDE ERROR FIELD (YES)
30: MINIMUM LENGTH (0)
30: EXACT LENGTH TABLE (YES:
0,3)
30: RANGE (YES:
FROM: 000 TO: 400)
30: ALLOWABLE ENTRY (NO)
30: SUBSTITUTION (NO)
30: JUSTIFICATION (RIGHT)
30: FILL CHARACTER ()
30: FLOAT CHARACTER ()
30: DECIMAL POSITIONS (0)
30: SIGN POSITION (LEADING)
30: AUTO CLOSE (YES)
30: ARITHMETIC OPERATION (NO)
30: AUTO FILL-IN (NO)
30: NEXT PAGE NUMBER (NO)
30: BRANCHING (NO)
30: AUTO-INCREMENT (NO)
30: OUTPUT TO MEMORY CELL (NO)
30: OUTPUT TO DISKETTE (YES)

BIOFORM-01

SALINITY
(PPT):
BOTTOM

31: TAB STOP (YES)
31: INPUT TYPE (KEYBOARD)
31: CHARACTER TYPE (DIGIT)
31: SECURITY FIELD (NO)
31: OVERRIDE ERROR FIELD (YES)
31: MINIMUM LENGTH (0)
31: EXACT LENGTH TABLE (YES:
0,3)
31: RANGE (YES:
FROM: 000 TO: 400)
31: ALLOWABLE ENTRY (NO)
31: SUBSTITUTION (NO)
31: JUSTIFICATION (RIGHT)
31: FILL CHARACTER ()
31: FLOAT CHARACTER ()
31: DECIMAL POSITIONS (0)
31: SIGN POSITION (LEADING)
31: AUTO CLOSE (YES)
31: ARITHMETIC OPERATION (NO)
31: AUTO FILL-IN (NO)
31: NEXT PAGE NUMBER (NO)
31: BRANCHING (NO)
31: AUTO-INCREMENT (NO)
31: OUTPUT TO MEMORY CELL (NO)
31: OUTPUT TO DISKETTE (YES)

VARIABLE
FIELD
#1

32: TAB STOP (YES)
32: INPUT TYPE (KEYBOARD)
32: CHARACTER TYPE (PRINTABLE)
32: SECURITY FIELD (NO)
32: OVERRIDE ERROR FIELD (YES)
32: MINIMUM LENGTH (0)
32: EXACT LENGTH TABLE (NO)

32: RANGE (NO)

32: ALLOWABLE ENTRY (NO)
32: SUBSTITUTION (NO)
32: JUSTIFICATION (RIGHT)
32: FILL CHARACTER ()
32: FLOAT CHARACTER ()
32: DECIMAL POSITIONS (0)
32: SIGN POSITION (LEADING)
32: AUTO CLOSE (YES)
32: ARITHMETIC OPERATION (NO)
32: AUTO FILL-IN (NO)
32: NEXT PAGE NUMBER (NO)
32: BRANCHING (NO)
32: AUTO-INCREMENT (NO)
32: OUTPUT TO MEMORY CELL (NO)
32: OUTPUT TO DISKETTE (YES)

BIOFORM-01

DISSOLVED
OXYGEN:
SURFACE

33: TAB STOP (YES)
33: INPUT TYPE (KEYBOARD)
33: CHARACTER TYPE (DIGIT)
33: SECURITY FIELD (NO)
33: OVERRIDE ERROR FIELD (YES)
33: MINIMUM LENGTH (0)
33: EXACT LENGTH TABLE (YES:
0,3)
33: RANGE (YES:
FROM: 000 TO: 100)
33: ALLOWABLE ENTRY (NO)
33: SUBSTITUTION (NO)
33: JUSTIFICATION (RIGHT)
33: FILL CHARACTER ()
33: FLOAT CHARACTER ()
33: DECIMAL POSITIONS (0)
33: SIGN POSITION (LEADING)
33: AUTO CLOSE (YES)
33: ARITHMETIC OPERATION (NO)
33: AUTO FILL-IN (NO)
33: NEXT PAGE NUMBER (NO)
33: BRANCHING (NO)
33: AUTO-INCREMENT (NO)
33: OUTPUT TO MEMORY CELL (NO)
33: OUTPUT TO DISKETTE (YES)

DISSOLVED
OXYGEN:
BOTTOM

34: TAB STOP (YES)
34: INPUT TYPE (KEYBOARD)
34: CHARACTER TYPE (DIGIT)
34: SECURITY FIELD (NO)
34: OVERRIDE ERROR FIELD (YES)
34: MINIMUM LENGTH (0)
34: EXACT LENGTH TABLE (YES:
0,3)
34: RANGE (YES:
FROM: 000 TO: 100)
34: ALLOWABLE ENTRY (NO)
34: SUBSTITUTION (NO)
34: JUSTIFICATION (RIGHT)
34: FILL CHARACTER ()
34: FLOAT CHARACTER ()
34: DECIMAL POSITIONS (0)
34: SIGN POSITION (LEADING)
34: AUTO CLOSE (YES)
34: ARITHMETIC OPERATION (NO)
34: AUTO FILL-IN (NO)
34: NEXT PAGE NUMBER (NO)
34: BRANCHING (NO)
34: AUTO-INCREMENT (NO)
34: OUTPUT TO MEMORY CELL (NO)
34: OUTPUT TO DISKETTE (YES)

BIOFORM-01

pH

35: TAB STOP (YES)
 35: INPUT TYPE (KEYBOARD)
 35: CHARACTER TYPE (DIGIT)
 35: SECURITY FIELD (NO)
 35: OVERRIDE ERROR FIELD (YES)
 35: MINIMUM LENGTH (0)
 35: EXACT LENGTH TABLE (YES:
 0,2)
 35: RANGE (YES:
 FROM: 00 TO: 99)
 35: ALLOWABLE ENTRY (NO)
 35: SUBSTITUTION (NO)
 35: JUSTIFICATION (RIGHT)
 35: FILL CHARACTER ()
 35: FLOAT CHARACTER ()
 35: DECIMAL POSITIONS (0)
 35: SIGN POSITION (LEADING)
 35: AUTO CLOSE (YES)
 35: ARITHMETIC OPERATION (NO)
 35: AUTO FILL-IN (NO)
 35: NEXT PAGE NUMBER (NO)
 35: BRANCHING (NO)
 35: AUTO-INCREMENT (NO)
 35: OUTPUT TO MEMORY CELL (NO)
 35: OUTPUT TO DISKETTE (YES)

WEATHER
 ELEMENT

36: TAB STOP (YES)
 36: INPUT TYPE (KEYBOARD)
 36: CHARACTER TYPE (DIGIT)
 36: SECURITY FIELD (NO)
 36: OVERRIDE ERROR FIELD (YES)
 36: MINIMUM LENGTH (0)
 36: EXACT LENGTH TABLE (NO)
 36: RANGE (NO)
 36: ALLOWABLE ENTRY (NO)
 36: SUBSTITUTION (NO)
 36: JUSTIFICATION (RIGHT)
 36: FILL CHARACTER ()
 36: FLOAT CHARACTER ()
 36: DECIMAL POSITIONS (0)
 36: SIGN POSITION (LEADING)
 36: AUTO CLOSE (YES)
 36: ARITHMETIC OPERATION (NO)
 36: AUTO FILL-IN (NO)
 36: NEXT PAGE NUMBER (NO)
 36: BRANCHING (NO)
 36: AUTO-INCREMENT (NO)
 36: OUTPUT TO MEMORY CELL (NO)
 36: OUTPUT TO DISKETTE (YES)

BIOFORM-01

VARIABLE
FIELD
#2

37: TAB STOP (YES)
37: INPUT TYPE (KEYBOARD)
37: CHARACTER TYPE (PRINTABLE)
37: SECURITY FIELD (NO)
37: OVERRIDE ERROR FIELD (YES)
37: MINIMUM LENGTH (0)
37: EXACT LENGTH TABLE (NO)

37: RANGE (NO)

37: ALLOWABLE ENTRY (NO)
37: SUBSTITUTION (NO)
37: JUSTIFICATION (RIGHT)
37: FILL CHARACTER ()
37: FLOAT CHARACTER ()
37: DECIMAL POSITIONS (0)
37: SIGN POSITION (LEADING)
37: AUTO CLOSE (YES)
37: ARITHMETIC OPERATION (NO)
37: AUTO FILL-IN (NO)
37: NEXT PAGE NUMBER (NO)
37: BRANCHING (NO)
37: AUTO-INCREMENT (NO)
37: OUTPUT TO MEMORY CELL (NO)
37: OUTPUT TO DISKETTE (YES)

WIND
DIRECTION

38: TAB STOP (YES)
38: INPUT TYPE (KEYBOARD)
38: CHARACTER TYPE (DIGIT)
38: SECURITY FIELD (NO)
38: OVERRIDE ERROR FIELD (YES)
38: MINIMUM LENGTH (0)
38: EXACT LENGTH TABLE (NO)
38: RANGE (NO)
38: ALLOWABLE ENTRY (NO)
38: SUBSTITUTION (NO)
38: JUSTIFICATION (RIGHT)
38: FILL CHARACTER ()
38: FLOAT CHARACTER ()
38: DECIMAL POSITIONS (0)
38: SIGN POSITION (LEADING)
38: AUTO CLOSE (YES)
38: ARITHMETIC OPERATION (NO)
38: AUTO FILL-IN (NO)
38: NEXT PAGE NUMBER (NO)
38: BRANCHING (NO)
38: AUTO-INCREMENT (NO)
38: OUTPUT TO MEMORY CELL (NO)
38: OUTPUT TO DISKETTE (YES)

BIOFORM-01

WIND
SPEED

39: TAB STOP (YES)
39: INPUT TYPE (KEYBOARD)
39: CHARACTER TYPE (DIGIT)
39: SECURITY FIELD (NO)
39: OVERRIDE ERROR FIELD (YES)
39: MINIMUM LENGTH (0)
39: EXACT LENGTH TABLE (NO)
39: RANGE (YES:
FROM: 00 TO: 30)
39: ALLOWABLE ENTRY (NO)
39: SUBSTITUTION (NO)
39: JUSTIFICATION (RIGHT)
39: FILL CHARACTER ()
39: FLOAT CHARACTER ()
39: DECIMAL POSITIONS (0)
39: SIGN POSITION (LEADING)
39: AUTO CLOSE (YES)
39: ARITHMETIC OPERATION (NO)
39: AUTO FILL-IN (NO)
39: NEXT PAGE NUMBER (NO)
39: BRANCHING (NO)
39: AUTO-INCREMENT (NO)
39: OUTPUT TO MEMORY CELL (NO)
39: OUTPUT TO DISKETTE (YES)

CURRENT
DIRECTION

40: TAB STOP (YES)
40: INPUT TYPE (KEYBOARD)
40: CHARACTER TYPE (DIGIT)
40: SECURITY FIELD (NO)
40: OVERRIDE ERROR FIELD (YES)
40: MINIMUM LENGTH (0)
40: EXACT LENGTH TABLE (NO)
40: RANGE (NO)
40: ALLOWABLE ENTRY (NO)
40: SUBSTITUTION (NO)
40: JUSTIFICATION (RIGHT)
40: FILL CHARACTER ()
40: FLOAT CHARACTER ()
40: DECIMAL POSITIONS (0)
40: SIGN POSITION (LEADING)
40: AUTO CLOSE (YES)
40: ARITHMETIC OPERATION (NO)
40: AUTO FILL-IN (NO)
40: NEXT PAGE NUMBER (NO)
40: BRANCHING (NO)
40: AUTO-INCREMENT (NO)
40: OUTPUT TO MEMORY CELL (NO)
40: OUTPUT TO DISKETTE (YES)

BIOFORM-01

CURRENT
SPEED

41: TAB STOP (YES)
41: INPUT TYPE (KEYBOARD)
41: CHARACTER TYPE (DIGIT)
41: SECURITY FIELD (NO)
41: OVERRIDE ERROR FIELD (YES)
41: MINIMUM LENGTH (0)
41: EXACT LENGTH TABLE (NO)
41: RANGE (YES:
FROM: 00 TO: 15)
41: ALLOWABLE ENTRY (NO)
41: SUBSTITUTION (NO)
41: JUSTIFICATION (RIGHT)
41: FILL CHARACTER ()
41: FLOAT CHARACTER ()
41: DECIMAL POSITIONS (0)
41: SIGN POSITION (LEADING)
41: AUTO CLOSE (YES)
41: ARITHMETIC OPERATION (NO)
41: AUTO FILL-IN (NO)
41: NEXT PAGE NUMBER (NO)
41: BRANCHING (NO)
41: AUTO-INCREMENT (NO)
41: OUTPUT TO MEMORY CELL (NO)
41: OUTPUT TO DISKETTE (YES)

WATER
LEVEL

42: TAB STOP (YES)
42: INPUT TYPE (KEYBOARD)
42: CHARACTER TYPE (ALPHA)
42: SECURITY FIELD (NO)
42: OVERRIDE ERROR FIELD (YES)
42: MINIMUM LENGTH (0)
42: EXACT LENGTH TABLE (NO)
42: RANGE (NO)
42: ALLOWABLE ENTRY (NO)
42: SUBSTITUTION (NO)
42: JUSTIFICATION (RIGHT)
42: FILL CHARACTER ()
42: FLOAT CHARACTER ()
42: DECIMAL POSITIONS (0)
42: SIGN POSITION (LEADING)
42: AUTO CLOSE (YES)
42: ARITHMETIC OPERATION (NO)
42: AUTO FILL-IN (NO)
42: NEXT PAGE NUMBER (NO)
42: BRANCHING (NO)
42: AUTO-INCREMENT (NO)
42: OUTPUT TO MEMORY CELL (NO)
42: OUTPUT TO DISKETTE (YES)

BIOFORM-01

ALTERATION STATE

43: TAB STOP (YES)
 43: INPUT TYPE (KEYBOARD)
 43: CHARACTER TYPE (DIGIT)
 43: SECURITY FIELD (NO)
 43: OVERRIDE ERROR FIELD (YES)
 43: MINIMUM LENGTH (0)
 43: EXACT LENGTH TABLE (NO)
 43: RANGE (YES:
 FROM: 0 TO: 5)
 43: ALLOWABLE ENTRY (NO)
 43: SUBSTITUTION (YES - RAM:
 0, ;)
 43: JUSTIFICATION (RIGHT)
 43: FILL CHARACTER ()
 43: FLOAT CHARACTER ()
 43: DECIMAL POSITIONS (0)
 43: SIGN POSITION (LEADING)
 43: AUTO CLOSE (YES)
 43: ARITHMETIC OPERATION (NO)
 43: AUTO FILL-IN (NO)
 43: NEXT PAGE NUMBER (NO)
 43: BRANCHING (NO)
 43: AUTO-INCREMENT (NO)
 43: OUTPUT TO MEMORY CELL (NO)
 43: OUTPUT TO DISKETTE (YES)

ALLOWED FISHING ACTIVITY

44: TAB STOP (YES)
 44: INPUT TYPE (KEYBOARD)
 44: CHARACTER TYPE (ALPHA)
 44: SECURITY FIELD (NO)
 44: OVERRIDE ERROR FIELD (YES)
 44: MINIMUM LENGTH (0)
 44: EXACT LENGTH TABLE (NO)
 44: RANGE (NO)
 44: ALLOWABLE ENTRY (NO)
 44: SUBSTITUTION (NO)
 44: JUSTIFICATION (RIGHT)
 44: FILL CHARACTER ()
 44: FLOAT CHARACTER ()
 44: DECIMAL POSITIONS (0)
 44: SIGN POSITION (LEADING)
 44: AUTO CLOSE (YES)
 44: ARITHMETIC OPERATION (NO)
 44: AUTO FILL-IN (NO)
 44: NEXT PAGE NUMBER (NO)
 44: BRANCHING (NO)
 44: AUTO-INCREMENT (NO)
 44: OUTPUT TO MEMORY CELL (NO)
 44: OUTPUT TO DISKETTE (YES)

BIOFORM-01

NUMBER
OF
REPLICATES

45: TAB STOP (YES)
45: INPUT TYPE (KEYBOARD)
45: CHARACTER TYPE (DIGIT)
45: SECURITY FIELD (NO)
45: OVERRIDE ERROR FIELD (NO)
45: MINIMUM LENGTH (1)
45: EXACT LENGTH TABLE (NO)
45: RANGE (NO)
45: ALLOWABLE ENTRY (NO)
45: SUBSTITUTION (NO)
45: JUSTIFICATION (RIGHT)
45: FILL CHARACTER ()
45: FLOAT CHARACTER (0)
45: DECIMAL POSITIONS (0)
45: SIGN POSITION (LEADING)
45: AUTO CLOSE (YES)
45: ARITHMETIC OPERATION (NO)
45: AUTO FILL-IN (NO)
45: NEXT PAGE NUMBER (NO)
45: BRANCHING (NO)
45: AUTO-INCREMENT (NO)
45: OUTPUT TO MEMORY CELL (NO)
45: OUTPUT TO DISKETTE (YES)

LOAD
RECORD TYPE:
ONE

46: TAB STOP (YES)
46: INPUT TYPE (KEYBOARD)
46: CHARACTER TYPE (PRINTABLE)
46: SECURITY FIELD (NO)
46: OVERRIDE ERROR FIELD (NO)
46: MINIMUM LENGTH (0)
46: EXACT LENGTH TABLE (NO)
46: RANGE (NO)
46: ALLOWABLE ENTRY (NO)
46: SUBSTITUTION (NO)
46: JUSTIFICATION (LEFT)
46: FILL CHARACTER ()
46: FLOAT CHARACTER ()
46: DECIMAL POSITIONS (0)
46: SIGN POSITION (LEADING)
46: AUTO CLOSE (YES)
46: ARITHMETIC OPERATION (NO)
46: AUTO FILL-IN (NO)
46: NEXT PAGE NUMBER (YES - PAGE 1)
46: BRANCHING (TEST LINE: 23 POSITION: 80

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

46: AUTO-INCREMENT (NO)
46: OUTPUT TO MEMORY CELL (NO)
46: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
TWO

BIOFORM-01

47: TAB STOP (YES)
47: INPUT TYPE (KEYBOARD)
47: CHARACTER TYPE (PRINTABLE)
47: SECURITY FIELD (NO)
47: OVERRIDE ERROR FIELD (NO)
47: MINIMUM LENGTH (0)
47: EXACT LENGTH TABLE (NO)
47: RANGE (NO)
47: ALLOWABLE ENTRY (NO)
47: SUBSTITUTION (NO)
47: JUSTIFICATION (LEFT)
47: FILL CHARACTER ()
47: FLOAT CHARACTER ()
47: DECIMAL POSITIONS (0)
47: SIGN POSITION (LEADING)
47: AUTO CLOSE (YES)
47: ARITHMETIC OPERATION (NO)
47: AUTO FILL-IN (NO)
47: NEXT PAGE NUMBER (YES - PAGE 2)
47: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

47: AUTO-INCREMENT (NO)
47: OUTPUT TO MEMORY CELL (NO)
47: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
THREE

48: TAB STOP (YES)
48: INPUT TYPE (KEYBOARD)
48: CHARACTER TYPE (PRINTABLE)
48: SECURITY FIELD (NO)
48: OVERRIDE ERROR FIELD (NO)
48: MINIMUM LENGTH (0)
48: EXACT LENGTH TABLE (NO)
48: RANGE (NO)
48: ALLOWABLE ENTRY (NO)
48: SUBSTITUTION (NO)
48: JUSTIFICATION (LEFT)
48: FILL CHARACTER ()
48: FLOAT CHARACTER ()
48: DECIMAL POSITIONS (0)
48: SIGN POSITION (LEADING)
48: AUTO CLOSE (YES)
48: ARITHMETIC OPERATION (NO)
48: AUTO FILL-IN (NO)
48: NEXT PAGE NUMBER (YES - PAGE 3)
48: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

48: AUTO-INCREMENT (NO)
48: OUTPUT TO MEMORY CELL (NO)
48: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FOUR

BIOFORM-01

49: TAB STOP (YES)
49: INPUT TYPE (KEYBOARD)
49: CHARACTER TYPE (PRINTABLE)
49: SECURITY FIELD (NO)
49: OVERRIDE ERROR FIELD (NO)
49: MINIMUM LENGTH (0)
49: EXACT LENGTH TABLE (NO)
49: RANGE (NO)
49: ALLOWABLE ENTRY (NO)
49: SUBSTITUTION (NO)
49: JUSTIFICATION (LEFT)
49: FILL CHARACTER ()
49: FLOAT CHARACTER ()
49: DECIMAL POSITIONS (0)
49: SIGN POSITION (LEADING)
49: AUTO CLOSE (YES)
49: ARITHMETIC OPERATION (NO)
49: AUTO FILL-IN (NO)
49: NEXT PAGE NUMBER (YES - PAGE 4)
49: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

49: AUTO-INCREMENT (NO)
49: OUTPUT TO MEMORY CELL (NO)
49: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FIVE

50: TAB STOP (YES)
50: INPUT TYPE (KEYBOARD)
50: CHARACTER TYPE (PRINTABLE)
50: SECURITY FIELD (NO)
50: OVERRIDE ERROR FIELD (NO)
50: MINIMUM LENGTH (0)
50: EXACT LENGTH TABLE (NO)
50: RANGE (NO)
50: ALLOWABLE ENTRY (NO)
50: SUBSTITUTION (NO)
50: JUSTIFICATION (LEFT)
50: FILL CHARACTER ()
50: FLOAT CHARACTER ()
50: DECIMAL POSITIONS (0)
50: SIGN POSITION (LEADING)
50: AUTO CLOSE (YES)
50: ARITHMETIC OPERATION (NO)
50: AUTO FILL-IN (NO)
50: NEXT PAGE NUMBER (YES - PAGE 5)
50: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

50: AUTO-INCREMENT (NO)
50: OUTPUT TO MEMORY CELL (NO)
50: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SIX

BIOFORM-01

51: TAB STOP (YES)
51: INPUT TYPE (KEYBOARD)
51: CHARACTER TYPE (PRINTABLE)
51: SECURITY FIELD (NO)
51: OVERRIDE ERROR FIELD (NO)
51: MINIMUM LENGTH (0)
51: EXACT LENGTH TABLE (NO)
51: RANGE (NO)
51: ALLOWABLE ENTRY (NO)
51: SUBSTITUTION (NO)
51: JUSTIFICATION (LEFT)
51: FILL CHARACTER ()
51: FLOAT CHARACTER ()
51: DECIMAL POSITIONS (0)
51: SIGN POSITION (LEADING)
51: AUTO CLOSE (YES)
51: ARITHMETIC OPERATION (NO)
51: AUTO FILL-IN (NO)
51: NEXT PAGE NUMBER (YES- PAGE 6)
51: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

51: AUTO-INCREMENT (NO)
51: OUTPUT TO MEMORY CELL (NO)
51: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SEVEN

52: TAB STOP (YES)
52: INPUT TYPE (KEYBOARD)
52: CHARACTER TYPE (PRINTABLE)
52: SECURITY FIELD (NO)
52: OVERRIDE ERROR FIELD (NO)
52: MINIMUM LENGTH (0)
52: EXACT LENGTH TABLE (NO)
52: RANGE (NO)
52: ALLOWABLE ENTRY (NO)
52: SUBSTITUTION (NO)
52: JUSTIFICATION (LEFT)
52: FILL CHARACTER ()
52: FLOAT CHARACTER ()
52: DECIMAL POSITIONS (0)
52: SIGN POSITION (LEADING)
52: AUTO CLOSE (YES)
52: ARITHMETIC OPERATION (NO)
52: AUTO FILL-IN (NO)
52: NEXT PAGE NUMBER (YES - PAGE 7)
52: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

52: AUTO-INCREMENT (NO)
52: OUTPUT TO MEMORY CELL (NO)
52: OUTPUT TO DISKETTE (NO)

BIOFORM-01

LOAD
RECORD TYPE:
EIGHT

53: TAB STOP (YES)
53: INPUT TYPE (KEYBOARD)
53: CHARACTER TYPE (PRINTABLE)
53: SECURITY FIELD (NO)
53: OVERRIDE ERROR FIELD (NO)
53: MINIMUM LENGTH (0)
53: EXACT LENGTH TABLE (NO)
53: RANGE (NO)
53: ALLOWABLE ENTRY (NO)
53: SUBSTITUTION (NO)
53: JUSTIFICATION (LEFT)
53: FILL CHARACTER ()
53: FLOAT CHARACTER ()
53: DECIMAL POSITIONS (0)
53: SIGN POSITION (LEADING)
53: AUTO CLOSE (YES)
53: ARITHMETIC OPERATION (NO)
53: AUTO FILL-IN (NO)
53: NEXT PAGE NUMBER (NO)
53: BRANCHING (NO)

53: AUTO-INCREMENT (NO)
53: OUTPUT TO MEMORY CELL (NO)
53: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
NINE

54: TAB STOP (YES)
54: INPUT TYPE (KEYBOARD)
54: CHARACTER TYPE (PRINTABLE)
54: SECURITY FIELD (NO)
54: OVERRIDE ERROR FIELD (NO)
54: MINIMUM LENGTH (0)
54: EXACT LENGTH TABLE (NO)
54: RANGE (NO)
54: ALLOWABLE ENTRY (NO)
54: SUBSTITUTION (NO)
54: JUSTIFICATION (LEFT)
54: FILL CHARACTER ()
54: FLOAT CHARACTER ()
54: DECIMAL POSITIONS (0)
54: SIGN POSITION (LEADING)
54: AUTO CLOSE (YES)
54: ARITHMETIC OPERATION (NO)
54: AUTO FILL-IN (NO)
54: NEXT PAGE NUMBER (YES - PAGE 3)
54: BRANCHING (TEST LINE: 23 POSITION: 80)

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))

54: AUTO-INCREMENT (NO)
54: OUTPUT TO MEMORY CELL (NO)
54: OUTPUT TO DISKETTE (NO)

LAYOUT FILE

FORM FACE 102

RECORD TYPE	SEQUENCE NO	YEAR	COLLECTION NO
SPECIES	STATUS	LINE NUMBER	
1	1	1960	1
2	2	1961	2
3	3	1962	3
4	4	1963	4
5	5	1964	5
6	6	1965	6
7	7	1966	7
8	8	1967	8
9	9	1968	9
10	10	1969	10
11	11	1970	11
12	12	1971	12
13	13	1972	13
14	14	1973	14
15	15	1974	15
16	16	1975	16
17	17	1976	17
18	18	1977	18
19	19	1978	19
20	20	1979	20
21	21	1980	21
22	22	1981	22
23	23	1982	23
24	24	1983	24
25	25	1984	25
26	26	1985	26
27	27	1986	27
28	28	1987	28
29	29	1988	29
30	30	1989	30
31	31	1990	31
32	32	1991	32
33	33	1992	33
34	34	1993	34
35	35	1994	35
36	36	1995	36
37	37	1996	37
38	38	1997	38
39	39	1998	39
40	40	1999	40
41	41	2000	41
42	42	2001	42
43	43	2002	43
44	44	2003	44
45	45	2004	45
46	46	2005	46
47	47	2006	47
48	48	2007	48
49	49	2008	49
50	50	2009	50
51	51	2010	51
52	52	2011	52
53	53	2012	53
54	54	2013	54
55	55	2014	55
56	56	2015	56
57	57	2016	57
58	58	2017	58
59	59	2018	59
60	60	2019	60
61	61	2020	61
62	62	2021	62
63	63	2022	63
64	64	2023	64
65	65	2024	65
66	66	2025	66
67	67	2026	67
68	68	2027	68
69	69	2028	69
70	70	2029	70
71	71	2030	71
72	72	2031	72
73	73	2032	73
74	74	2033	74
75	75	2034	75
76	76	2035	76
77	77	2036	77
78	78	2037	78
79	79	2038	79
80	80	2039	80
81	81	2040	81
82	82	2041	82
83	83	2042	83
84	84	2043	84
85	85	2044	85
86	86	2045	86
87	87	2046	87
88	88	2047	88
89	89	2048	89
90	90	2049	90
91	91	2050	91
92	92	2051	92
93	93	2052	93
94	94	2053	94
95	95	2054	95
96	96	2055	96
97	97	2056	97
98	98	2057	98
99			

XXXXX
SAMPLE SIZE

2000

1
 2
 3
 4
 5
 6
 7
 8
 9
 10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25
 26
 27
 28
 29
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100
 101
 102
 103
 104
 105
 106
 107
 108
 109
 110
 111
 112
 113
 114
 115
 116
 117
 118
 119
 120
 121
 122
 123
 124
 125
 126
 127
 128
 129
 130
 131
 132
 133
 134
 135
 136
 137
 138
 139
 140
 141
 142
 143
 144
 145
 146
 147
 148
 149
 150
 151
 152
 153
 154
 155
 156
 157
 158
 159
 160
 161
 162
 163
 164
 165
 166
 167
 168
 169
 170
 171
 172
 173
 174
 175
 176
 177
 178
 179
 180
 181
 182
 183
 184
 185
 186
 187
 188
 189
 190
 191
 192
 193
 194
 195
 196
 197
 198
 199
 200
 201
 202
 203
 204
 205
 206
 207
 208
 209
 210
 211
 212
 213
 214
 215
 216
 217
 218
 219
 220
 221
 222
 223
 224
 225
 226
 227
 228
 229
 230
 231
 232
 233
 234
 235
 236
 237
 238
 239
 240
 241
 242
 243
 244
 245
 246
 247
 248
 249
 250
 251
 252
 253
 254
 255
 256
 257
 258
 259
 260
 261
 262
 263
 264
 265
 266
 267
 268
 269
 270
 271
 272
 273
 274
 275
 276
 277
 278
 279
 280
 281
 282
 283
 284
 285
 286
 287
 288
 289
 290
 291
 292
 293
 294
 295
 296
 297
 298
 299
 300
 301
 302
 303
 304
 305
 306
 307
 308
 309
 310
 311
 312
 313
 314
 315
 316
 317
 318
 319
 320
 321
 322
 323
 324
 325
 326
 327
 328
 329
 330
 331
 332
 333
 334
 335
 336
 337
 338
 339
 340
 341
 342
 343
 344
 345
 346
 347
 348
 349
 350
 351
 352
 353
 354
 355
 356
 357
 358
 359
 360
 361
 362
 363
 364
 365
 366
 367
 368
 369
 370
 371
 372
 373
 374
 375
 376
 377
 378
 379
 380
 381
 382
 383
 384
 385
 386
 387
 388
 389
 390
 391
 392
 393
 394
 395
 396
 397
 398
 399
 400
 401
 402
 403
 404
 405
 406
 407
 408
 409
 410
 411
 412
 413
 414
 415
 416
 417
 418
 419
 420
 421
 422
 423
 424
 425
 426
 427
 428
 429
 430
 431
 432
 433
 434
 435
 436
 437
 438
 439
 440
 441
 442
 443
 444
 445
 446
 447
 448
 449
 450
 451
 452
 453
 454
 455
 456
 457
 458
 459
 460
 461
 462
 463
 464
 465
 466
 467
 468
 469
 470
 471
 472
 473
 474
 475
 476
 477
 478
 479
 480
 481
 482
 483
 484
 485
 486
 487
 488
 489
 490
 491
 492
 493
 494
 495
 496
 497
 498
 499
 500
 501
 502
 503
 504
 505
 506
 507
 508
 509
 510
 511
 512
 513
 514
 515
 516
 517
 518
 519
 520
 521
 522
 523
 524
 525

-----LOAD THE FOLLOWING RECORD TYPE-CHOOSE WITH AN 'X'-----
ONE < THREE < FOUR < FIVE < SIX < SEVEN < EIGHT < NINE <

BIOFORM-02 ATTRIBUTES

ACTION FIELD

TAB STOP (YES)
 1: INPUT TYPE (KEYBOARD-CONSTANT:)
 1: CHARACTER TYPE (ALPHA)
 1: SECURITY FIELD (NO)
 1: OVERRIDE ERROR FIELD (NO)
 1: MINIMUM LENGTH (0)
 1: EXACT LENGTH TABLE (NO)
 1: RANGE (NO)
 1: ALLOWABLE ENTRY (YES:
 DRIVE: 1 FILE: ACTION)
 1: SUBSTITUTION (NO)
 1: JUSTIFICATION (LEFT)
 1: FILL CHARACTER ()
 1: FLOAT CHARACTER ()
 1: DECIMAL POSITIONS (0)
 1: SIGN POSITION (LEADING)
 1: AUTO CLOSE (YES)
 1: ARITHMETIC OPERATION (NO)
 1: AUTO FILL-IN (NO)
 1: NEXT PAGE NUMBER (NO)
 1: BRANCHING (NO)
 1: AUTO-INCREMENT (NO)
 1: OUTPUT TO MEMORY CELL (NO)
 1: OUTPUT TO DISKETTE (YES)

RECORD TYPE

2: TAB STOP (YES)
 2: INPUT TYPE (CONSTANT: 2)
 2: CHARACTER TYPE (PRINTABLE)
 2: SECURITY FIELD (NO)
 2: OVERRIDE ERROR FIELD (NO)
 2: MINIMUM LENGTH (0)
 2: EXACT LENGTH TABLE (NO)
 2: RANGE (NO)
 2: ALLOWABLE ENTRY (NO)
 2: SUBSTITUTION (NO)
 2: JUSTIFICATION (LEFT)
 2: FILL CHARACTER ()
 2: FLOAT CHARACTER ()
 2: DECIMAL POSITIONS (0)
 2: SIGN POSITION (LEADING)
 2: AUTO CLOSE (YES)
 2: ARITHMETIC OPERATION (NO)
 2: AUTO FILL-IN (NO)
 2: NEXT PAGE NUMBER (NO)
 2: BRANCHING (NO)
 2: AUTO-INCREMENT (NO)
 2: OUTPUT TO MEMORY CELL (NO)
 2: OUTPUT TO DISKETTE (YES)

BIOFORM-02

SEQUENCE
NO: YEAR

3: TAB STOP (YES)
3: INPUT TYPE (KEYBOARD-MEMORY CELL # 1)
3: CHARACTER TYPE (DIGIT)
3: SECURITY FIELD (NO)
3: OVERRIDE ERROR FIELD (NO)
3: MINIMUM LENGTH (0)
3: EXACT LENGTH TABLE (YES:
2)
3: RANGE (NO)
3: ALLOWABLE ENTRY (NO)
3: SUBSTITUTION (NO)
3: JUSTIFICATION (LEFT)
3: FILL CHARACTER ()
3: FLOAT CHARACTER ()
3: DECIMAL POSITIONS (0)
3: SIGN POSITION (LEADING)
3: AUTO CLOSE (YES)
3: ARITHMETIC OPERATION (NO)
3: AUTO FILL-IN (NO)
3: NEXT PAGE NUMBER (NO)
3: BRANCHING (NO)
3: AUTO-INCREMENT (NO)
3: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 1)
3: OUTPUT TO DISKETTE (YES)

SEQUENCE
NO: COLLECTION
NO

4: TAB STOP (YES)
4: INPUT TYPE (KEYBOARD-MEMORY CELL # 2)
4: CHARACTER TYPE (DIGIT)
4: SECURITY FIELD (NO)
4: OVERRIDE ERROR FIELD (NO)
4: MINIMUM LENGTH (1)
4: EXACT LENGTH TABLE (NO)
4: RANGE (NO)
4: ALLOWABLE ENTRY (NO)
4: SUBSTITUTION (NO)
4: JUSTIFICATION (RIGHT)
4: FILL CHARACTER (0)
4: FLOAT CHARACTER (0)
4: DECIMAL POSITIONS (0)
4: SIGN POSITION (LEADING)
4: AUTO CLOSE (YES)
4: ARITHMETIC OPERATION (NO)
4: AUTO FILL-IN (NO)
4: NEXT PAGE NUMBER (NO)
4: BRANCHING (NO)
4: AUTO-INCREMENT (NO)
4: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 2)
4: OUTPUT TO DISKETTE (YES)

BIOFORM-02

REPLICATE

5: TAB STOP (YES)
 5: INPUT TYPE (KEYBOARD)
 5: CHARACTER TYPE (DIGIT)
 5: SECURITY FIELD (NO)
 5: OVERRIDE ERROR FIELD (NO)
 5: MINIMUM LENGTH (1)
 5: EXACT LENGTH TABLE (NO)
 5: RANGE (NO)
 5: ALLOWABLE ENTRY (NO)
 5: SUBSTITUTION (NO)
 5: JUSTIFICATION (RIGHT)
 5: FILL CHARACTER ()
 5: FLOAT CHARACTER (0)
 5: DECIMAL POSITIONS (0)
 5: SIGN POSITION (LEADING)
 5: AUTO CLOSE (YES)
 5: ARITHMETIC OPERATION (NO)
 5: AUTO FILL-IN (NO)
 5: NEXT PAGE NUMBER (NO)
 5: BRANCHING (FIXED LINE: 7 POSITION: 1)
 5: AUTO-INCREMENT (NO)
 5: OUTPUT TO MEMORY CELL (NO)
 5: OUTPUT TO DISKETTE (YES)

SPECIES

6: TAB STOP (YES)
 6: INPUT TYPE (KEYBOARD)
 6: CHARACTER TYPE (PRINTABLE)
 6: SECURITY FIELD (NO)
 6: OVERRIDE ERROR FIELD (NO)
 6: MINIMUM LENGTH (0)
 6: EXACT LENGTH TABLE (NO)
 6: RANGE (NO)
 6: ALLOWABLE ENTRY (NO)
 6: SUBSTITUTION (NO)
 6: JUSTIFICATION (LEFT)
 6: FILL CHARACTER ()
 6: FLOAT CHARACTER ()
 6: DECIMAL POSITIONS (0)
 6: SIGN POSITION (LEADING)
 6: AUTO CLOSE (YES)
 6: ARITHMETIC OPERATION (NO)
 6: AUTO FILL-IN (NO)
 6: NEXT PAGE NUMBER (NO)
 6: BRANCHING (NO)
 6: AUTO-INCREMENT (NO)
 6: OUTPUT TO MEMORY CELL (NO)
 6: OUTPUT TO DISKETTE (YES)

BIOFORM-02

STATUS

7: TAB STOP (YES)
 7: INPUT TYPE (KEYBOARD)
 7: CHARACTER TYPE (PRINTABLE)
 7: SECURITY FIELD (NO)
 7: OVERRIDE ERROR FIELD (NO)
 7: MINIMUM LENGTH (0)
 7: EXACT LENGTH TABLE (NO)
 7: RANGE (NO)
 7: ALLOWABLE ENTRY (NO)
 7: SUBSTITUTION (NO)
 7: JUSTIFICATION (LEFT)
 7: FILL CHARACTER ()
 7: FLOAT CHARACTER ()
 7: DECIMAL POSITIONS (0)
 7: SIGN POSITION (LEADING)
 7: AUTO CLOSE (YES)
 7: ARITHMETIC OPERATION (NO)
 7: AUTO FILL-IN (NO)
 7: NEXT PAGE NUMBER (NO)
 7: BRANCHING (NO)
 7: AUTO-INCREMENT (NO)
 7: OUTPUT TO MEMORY CELL (NO)
 7: OUTPUT TO DISKETTE (YES)

LINE
 NUMBER

8: TAB STOP (YES)
 8: INPUT TYPE (KEYBOARD)
 8: CHARACTER TYPE (PRINTABLE)
 8: SECURITY FIELD (NO)
 8: OVERRIDE ERROR FIELD (NO)
 8: MINIMUM LENGTH (0)
 8: EXACT LENGTH TABLE (NO)
 8: RANGE (NO)
 8: ALLOWABLE ENTRY (NO)
 8: SUBSTITUTION (NO)
 8: JUSTIFICATION (LEFT)
 8: FILL CHARACTER ()
 8: FLOAT CHARACTER ()
 8: DECIMAL POSITIONS (0)
 8: SIGN POSITION (LEADING)
 8: AUTO CLOSE (YES)
 8: ARITHMETIC OPERATION (NO)
 8: AUTO FILL-IN (NO)
 8: NEXT PAGE NUMBER (NO)
 8: BRANCHING (NO)
 8: AUTO-INCREMENT (NO)
 8: OUTPUT TO MEMORY CELL (NO)
 8: OUTPUT TO DISKETTE (YES)

BIOFORM-02

COLLECTION
SIZE

9: TAB STOP (YES)
9: INPUT TYPE (KEYBOARD)
9: CHARACTER TYPE (PRINTABLE)
9: SECURITY FIELD (NO)
9: OVERRIDE ERROR FIELD (YES)
9: MINIMUM LENGTH (1)
9: EXACT LENGTH TABLE (NO)
9: RANGE (NO)
9: ALLOWABLE ENTRY (NO)
9: SUBSTITUTION (YES - RAM:
..999999;)
9: JUSTIFICATION (RIGHT)
9: FILL CHARACTER (0)
9: FLOAT CHARACTER (0)
9: DECIMAL POSITIONS (0)
9: SIGN POSITION (LEADING)
9: AUTO CLOSE (YES)
9: ARITHMETIC OPERATION (NO)
9: AUTO FILL-IN (NO)
9: NEXT PAGE NUMBER (NO)
9: BRANCHING (NO)
9: AUTO-INCREMENT (NO)
9: OUTPUT TO MEMORY CELL (NO)
9: OUTPUT TO DISKETTE (YES)

SAMPLE
SIZE

10: TAB STOP (YES)
10: INPUT TYPE (KEYBOARD)
10: CHARACTER TYPE (PRINTABLE)
10: SECURITY FIELD (NO)
10: OVERRIDE ERROR FIELD (YES)
10: MINIMUM LENGTH (1)
10: EXACT LENGTH TABLE (NO)
10: RANGE (NO)
10: ALLOWABLE ENTRY (NO)
10: SUBSTITUTION (YES - RAM:
..999999;)
10: JUSTIFICATION (RIGHT)
10: FILL CHARACTER (0)
10: FLOAT CHARACTER (0)
10: DECIMAL POSITIONS (0)
10: SIGN POSITION (LEADING)
10: AUTO CLOSE (YES)
10: ARITHMETIC OPERATION (NO)
10: AUTO FILL-IN (NO)
10: NEXT PAGE NUMBER (NO)
10: BRANCHING (NO)
10: AUTO-INCREMENT (NO)
10: OUTPUT TO MEMORY CELL (NO)
10: OUTPUT TO DISKETTE (YES)

BIOFORM-02

NUMBER
OF
RECORD
TYPE
III'S

11: TAB STOP (YES)
11: INPUT TYPE (KEYBOARD)
11: CHARACTER TYPE (DIGIT)
11: SECURITY FIELD (NO)
11: OVERRIDE ERROR FIELD (YES)
11: MINIMUM LENGTH (1)
11: EXACT LENGTH TABLE (NO)
11: RANGE (YES:
FROM: 00 TO: 30)
11: ALLOWABLE ENTRY (NO)
11: SUBSTITUTION (NO)
11: JUSTIFICATION (RIGHT)
11: FILL CHARACTER (0)
11: FLOAT CHARACTER (0)
11: DECIMAL POSITIONS (0)
11: SIGN POSITION (LEADING)
11: AUTO CLOSE (YES)
11: ARITHMETIC OPERATION (NO)
11: AUTO FILL-IN (NO)
11: NEXT PAGE NUMBER (NO)
11: BRANCHING (NO)
11: AUTO-INCREMENT (NO)
11: OUTPUT TO MEMORY CELL (NO)
11: OUTPUT TO DISKETTE (YES)

QUALITY

12: TAB STOP (YES)
12: INPUT TYPE (KEYBOARD-CONSTANT: 0)
12: CHARACTER TYPE (DIGIT)
12: SECURITY FIELD (NO)
12: OVERRIDE ERROR FIELD (YES)
12: MINIMUM LENGTH (0)
12: EXACT LENGTH TABLE (NO)
12: RANGE (YES:
FROM: 0 TO: 4)
12: ALLOWABLE ENTRY (NO)
12: SUBSTITUTION (NO)
12: JUSTIFICATION (LEFT)
12: FILL CHARACTER ()
12: FLOAT CHARACTER ()
12: DECIMAL POSITIONS (0)
12: SIGN POSITION (LEADING)
12: AUTO CLOSE (YES)
12: ARITHMETIC OPERATION (NO)
12: AUTO FILL-IN (NO)
12: NEXT PAGE NUMBER (NO)
12: BRANCHING (FIXED LINE: 17 POSITION: 1)
12: AUTO-INCREMENT (NO)
12: OUTPUT TO MEMORY CELL (NO)
12: OUTPUT TO DISKETTE (YES)

BIOFORM-02

FILL

TAB STOP (YES)
 13: INPUT TYPE (CONSTANT:)
 13: CHARACTER TYPE (PRINTABLE)
 13: SECURITY FIELD (NO)
 13: OVERRIDE ERROR FIELD (NO)
 13: MINIMUM LENGTH (0)
 13: EXACT LENGTH TABLE (NO)
 13: RANGE (NO)
 13: ALLOWABLE ENTRY (NO)
 13: SUBSTITUTION (NO)
 13: JUSTIFICATION (LEFT)
 13: FILL CHARACTER ()
 13: FLOAT CHARACTER ()
 13: DECIMAL POSITIONS (0)
 13: SIGN POSITION (LEADING)
 13: AUTO CLOSE (YES)
 13: ARITHMETIC OPERATION (NO)
 13: AUTO FILL-IN (NO)
 13: NEXT PAGE NUMBER (NO)
 13: BRANCHING (NO)
 13: AUTO-INCREMENT (NO)
 13: OUTPUT TO MEMORY CELL (NO)
 13: OUTPUT TO DISKETTE (YES)

FILL

TAB STOP (YES)
 14: INPUT TYPE (CONSTANT:)
 14: CHARACTER TYPE (PRINTABLE)
 14: SECURITY FIELD (NO)
 14: OVERRIDE ERROR FIELD (NO)
 14: MINIMUM LENGTH (0)
 14: EXACT LENGTH TABLE (NO)
 14: RANGE (NO)
 14: ALLOWABLE ENTRY (NO)
 14: SUBSTITUTION (NO)
 14: JUSTIFICATION (LEFT)
 14: FILL CHARACTER ()
 14: FLOAT CHARACTER ()
 14: DECIMAL POSITIONS (0)
 14: SIGN POSITION (LEADING)
 14: AUTO CLOSE (YES)
 14: ARITHMETIC OPERATION (NO)
 14: AUTO FILL-IN (NO)
 14: NEXT PAGE NUMBER (NO)
 14: BRANCHING (NO)
 14: AUTO-INCREMENT (NO)
 14: OUTPUT TO MEMORY CELL (NO)
 14: OUTPUT TO DISKETTE (YES)

BIOFORM-02

LOAD
RECORD TYPE:
ONE

15: TAB STOP (YES)
15: INPUT TYPE (KEYBOARD)
15: CHARACTER TYPE (PRINTABLE)
15: SECURITY FIELD (NO)
15: OVERRIDE ERROR FIELD (NO)
15: MINIMUM LENGTH (0)
15: EXACT LENGTH TABLE (NO)
15: RANGE (NO)
15: ALLOWABLE ENTRY (NO)
15: SUBSTITUTION (NO)
15: JUSTIFICATION (LEFT)
15: FILL CHARACTER ()
15: FLOAT CHARACTER ()
15: DECIMAL POSITIONS (0)
15: SIGN POSITION (LEADING)
15: AUTO CLOSE (YES)
15: ARITHMETIC OPERATION (NO)
15: AUTO FILL-IN (NO)
15: NEXT PAGE NUMBER (YES - PAGE 1)
15: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

15: AUTO-INCREMENT (NO)
15: OUTPUT TO MEMORY CELL (NO)
15: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
TWO

16: TAB STOP (YES)
16: INPUT TYPE (KEYBOARD)
16: CHARACTER TYPE (PRINTABLE)
16: SECURITY FIELD (NO)
16: OVERRIDE ERROR FIELD (NO)
16: MINIMUM LENGTH (0)
16: EXACT LENGTH TABLE (NO)
16: RANGE (NO)
16: ALLOWABLE ENTRY (NO)
16: SUBSTITUTION (NO)
16: JUSTIFICATION (LEFT)
16: FILL CHARACTER ()
16: FLOAT CHARACTER ()
16: DECIMAL POSITIONS (0)
16: SIGN POSITION (LEADING)
16: AUTO CLOSE (YES)
16: ARITHMETIC OPERATION (NO)
16: AUTO FILL-IN (NO)
16: NEXT PAGE NUMBER (YES - PAGE 2)
16: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

16: AUTO-INCREMENT (NO)
16: OUTPUT TO MEMORY CELL (NO)
16: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
THREE

BIOFORM-02

17: TAB STOP (YES)
17: INPUT TYPE (KEYBOARD)
17: CHARACTER TYPE (PRINTABLE)
17: SECURITY FIELD (NO)
17: OVERRIDE ERROR FIELD (NO)
17: MINIMUM LENGTH (0)
17: EXACT LENGTH TABLE (NO)
17: RANGE (NO)
17: ALLOWABLE ENTRY (NO)
17: SUBSTITUTION (NO)
17: JUSTIFICATION (LEFT)
17: FILL CHARACTER ()
17: FLOAT CHARACTER ()
17: DECIMAL POSITIONS (0)
17: SIGN POSITION (LEADING)
17: AUTO CLOSE (YES)
17: ARITHMETIC OPERATION (NO)
17: AUTO FILL-IN (NO)
17: NEXT PAGE NUMBER (YES - PAGE 3)
17: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))

17: AUTO-INCREMENT (NO)
17: OUTPUT TO MEMORY CELL (NO)
17: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FOUR

18: TAB STOP (YES)
18: INPUT TYPE (KEYBOARD)
18: CHARACTER TYPE (PRINTABLE)
18: SECURITY FIELD (NO)
18: OVERRIDE ERROR FIELD (NO)
18: MINIMUM LENGTH (0)
18: EXACT LENGTH TABLE (NO)
18: RANGE (NO)
18: ALLOWABLE ENTRY (NO)
18: SUBSTITUTION (NO)
18: JUSTIFICATION (LEFT)
18: FILL CHARACTER ()
18: FLOAT CHARACTER ()
18: DECIMAL POSITIONS (0)
18: SIGN POSITION (LEADING)
18: AUTO CLOSE (YES)
18: ARITHMETIC OPERATION (NO)
18: AUTO FILL-IN (NO)
18: NEXT PAGE NUMBER (YES - PAGE 4)
18: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))

18: AUTO-INCREMENT (NO)
18: OUTPUT TO MEMORY CELL (NO)
18: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FIVE

BIOFORM-02

19: TAB STOP (YES)
19: INPUT TYPE (KEYBOARD)
19: CHARACTER TYPE (PRINTABLE)
19: SECURITY FIELD (NO)
19: OVERRIDE ERROR FIELD (NO)
19: MINIMUM LENGTH (0)
19: EXACT LENGTH TABLE (NO)
19: RANGE (NO)
19: ALLOWABLE ENTRY (NO)
19: SUBSTITUTION (NO)
19: JUSTIFICATION (LEFT)
19: FILL CHARACTER ()
19: FLOAT CHARACTER ()
19: DECIMAL POSITIONS (0)
19: SIGN POSITION (LEADING)
19: AUTO CLOSE (YES)
19: ARITHMETIC OPERATION (NO)
19: AUTO FILL-IN (NO)
19: NEXT PAGE NUMBER (YES - PAGE 5)
19: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

LOAD
RECORD TYPE:
SIX

19: AUTO-INCREMENT (NO)
19: OUTPUT TO MEMORY CELL (NO)
19: OUTPUT TO DISKETTE (NO)

20: TAB STOP (YES)
20: INPUT TYPE (KEYBOARD)
20: CHARACTER TYPE (PRINTABLE)
20: SECURITY FIELD (NO)
20: OVERRIDE ERROR FIELD (NO)
20: MINIMUM LENGTH (0)
20: EXACT LENGTH TABLE (NO)
20: RANGE (NO)
20: ALLOWABLE ENTRY (NO)
20: SUBSTITUTION (NO)
20: JUSTIFICATION (LEFT)
20: FILL CHARACTER ()
20: FLOAT CHARACTER ()
20: DECIMAL POSITIONS (0)
20: SIGN POSITION (LEADING)
20: AUTO CLOSE (YES)
20: ARITHMETIC OPERATION (NO)
20: AUTO FILL-IN (NO)
20: NEXT PAGE NUMBER (YES - PAGE 6)
20: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

20: AUTO-INCREMENT (NO)
20: OUTPUT TO MEMORY CELL (NO)
20: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SEVEN

BIOFORM-02

21: TAB STOP (YES)
21: INPUT TYPE (KEYBOARD)
21: CHARACTER TYPE (PRINTABLE)
21: SECURITY FIELD (NO)
21: OVERRIDE ERROR FIELD (NO)
21: MINIMUM LENGTH (0)
21: EXACT LENGTH TABLE (NO)
21: RANGE (NO)
21: ALLOWABLE ENTRY (NO)
21: SUBSTITUTION (NO)
21: JUSTIFICATION (LEFT)
21: FILL CHARACTER ()
21: FLOAT CHARACTER ()
21: DECIMAL POSITIONS (0)
21: SIGN POSITION (LEADING)
21: AUTO CLOSE (YES)
21: ARITHMETIC OPERATION (NO)
21: AUTO FILL-IN (NO)
21: NEXT PAGE NUMBER (YES - PAGE 7)
21: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

21: AUTO-INCREMENT (NO)
21: OUTPUT TO MEMORY CELL (NO)
21: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
EIGHT

22: TAB STOP (YES)
22: INPUT TYPE (KEYBOARD)
22: CHARACTER TYPE (PRINTABLE)
22: SECURITY FIELD (NO)
22: OVERRIDE ERROR FIELD (NO)
22: MINIMUM LENGTH (0)
22: EXACT LENGTH TABLE (NO)
22: RANGE (NO)
22: ALLOWABLE ENTRY (NO)
22: SUBSTITUTION (NO)
22: JUSTIFICATION (LEFT)
22: FILL CHARACTER ()
22: FLOAT CHARACTER ()
22: DECIMAL POSITIONS (0)
22: SIGN POSITION (LEADING)
22: AUTO CLOSE (YES)
22: ARITHMETIC OPERATION (NO)
22: AUTO FILL-IN (NO)
22: NEXT PAGE NUMBER (NO)
22: BRANCHING (NO)

22: AUTO-INCREMENT (NO)
22: OUTPUT TO MEMORY CELL (NO)
22: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
NINE

BIOFORM-02

23: TAB STOP (YES)
23: INPUT TYPE (CONSTANT: X)
23: CHARACTER TYPE (PRINTABLE)
23: SECURITY FIELD (NO)
23: OVERRIDE ERROR FIELD (NO)
23: MINIMUM LENGTH (0)
23: EXACT LENGTH TABLE (NO)
23: RANGE (NO)
23: ALLOWABLE ENTRY (NO)
23: SUBSTITUTION (NO)
23: JUSTIFICATION (LEFT)
23: FILL CHARACTER ()
23: FLOAT CHARACTER ()
23: DECIMAL POSITIONS (0)
23: SIGN POSITION (LEADING)
23: AUTO CLOSE (YES)
23: ARITHMETIC OPERATION (NO)
23: AUTO FILL-IN (NO)
23: NEXT PAGE NUMBER (YES - PAGE 3)
23: BRANCHING (TEST LINE: 18 POSITION: 78:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))

23: AUTO-INCREMENT (NO)
23: OUTPUT TO MEMORY CELL (NO)
23: OUTPUT TO DISKETTE (NO)

LAYOUT FILE

FORM PAGE 43

```
FILL <<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<
-----LOAD THE FOLLOWING RECORD TYPE-CHOOSE WITH AN "N"-----
ONE < TWO < THREE < FOUR < FIVE < SIX < SEVEN < EIGHT < NINE <
```


BIOFORM-03 ATTRIBUTES

ACTION FIELD

TAB STOP (YES)
 1: INPUT TYPE (KEYBOARD-CONSTANT:)
 1: CHARACTER TYPE (ALPHA)
 1: SECURITY FIELD (NO)
 1: OVERRIDE ERROR FIELD (NO)
 1: MINIMUM LENGTH (0)
 1: EXACT LENGTH TABLE (NO)
 1: RANGE (NO)
 1: ALLOWABLE ENTRY (YES:
 DRIVE: 1 FILE: ACTION)
 1: SUBSTITUTION (NO)
 1: JUSTIFICATION (LEFT)
 1: FILL CHARACTER ()
 1: FLOAT CHARACTER ()
 1: DECIMAL POSITIONS (0)
 1: SIGN POSITION (LEADING)
 1: AUTO CLOSE (YES)
 1: ARITHMETIC OPERATION (NO)
 1: AUTO FILL-IN (NO)
 1: NEXT PAGE NUMBER (NO)
 1: BRANCHING (NO)
 1: AUTO-INCREMENT (NO)
 1: OUTPUT TO MEMORY CELL (NO)
 1: OUTPUT TO DISKETTE (YES)

RECORD TYPE

2: TAB STOP (YES)
 2: INPUT TYPE (CONSTANT: 3)
 2: CHARACTER TYPE (PRINTABLE)
 2: SECURITY FIELD (NO)
 2: OVERRIDE ERROR FIELD (NO)
 2: MINIMUM LENGTH (0)
 2: EXACT LENGTH TABLE (NO)
 2: RANGE (NO)
 2: ALLOWABLE ENTRY (NO)
 2: SUBSTITUTION (NO)
 2: JUSTIFICATION (LEFT)
 2: FILL CHARACTER ()
 2: FLOAT CHARACTER ()
 2: DECIMAL POSITIONS (0)
 2: SIGN POSITION (LEADING)
 2: AUTO CLOSE (YES)
 2: ARITHMETIC OPERATION (NO)
 2: AUTO FILL-IN (NO)
 2: NEXT PAGE NUMBER (NO)
 2: BRANCHING (NO)
 2: AUTO-INCREMENT (NO)
 2: OUTPUT TO MEMORY CELL (NO)
 2: OUTPUT TO DISKETTE (YES)

BIOFORM-03

SEQUENCE
NO: YEAR

3: TAB STOP (YES)
3: INPUT TYPE (KEYBOARD-MEMORY CELL # 1)
3: CHARACTER TYPE (DIGIT)
3: SECURITY FIELD (NO)
3: OVERRIDE ERROR FIELD (NO)
3: MINIMUM LENGTH (0)
3: EXACT LENGTH TABLE (YES:
2)
3: RANGE (NO)
3: ALLOWABLE ENTRY (NO)
3: SUBSTITUTION (NO)
3: JUSTIFICATION (LEFT)
3: FILL CHARACTER ()
3: FLOAT CHARACTER ()
3: DECIMAL POSITIONS (0)
3: SIGN POSITION (LEADING)
3: AUTO CLOSE (YES)
3: ARITHMETIC OPERATION (NO)
3: AUTO FILL-IN (NO)
3: NEXT PAGE NUMBER (NO)
3: BRANCHING (NO)
3: AUTO-INCREMENT (NO)
3: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 1)
3: OUTPUT TO DISKETTE (YES)

SEQUENCE
NO: COLLECTION
NO

4: TAB STOP (YES)
4: INPUT TYPE (KEYBOARD-MEMORY CELL # 2)
4: CHARACTER TYPE (DIGIT)
4: SECURITY FIELD (NO)
4: OVERRIDE ERROR FIELD (NO)
4: MINIMUM LENGTH (1)
4: EXACT LENGTH TABLE (NO)
4: RANGE (NO)
4: ALLOWABLE ENTRY (NO)
4: SUBSTITUTION (NO)
4: JUSTIFICATION (RIGHT)
4: FILL CHARACTER (0)
4: FLOAT CHARACTER (0)
4: DECIMAL POSITIONS (0)
4: SIGN POSITION (LEADING)
4: AUTO CLOSE (YES)
4: ARITHMETIC OPERATION (NO)
4: AUTO FILL-IN (NO)
4: NEXT PAGE NUMBER (NO)
4: BRANCHING (NO)
4: AUTO-INCREMENT (NO)
4: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 2)
4: OUTPUT TO DISKETTE (YES)

BIOFORM-03

REPLICATE

5: TAB STOP (YES)
 5: INPUT TYPE (KEYBOARD)
 5: CHARACTER TYPE (DIGIT)
 5: SECURITY FIELD (NO)
 5: OVERRIDE ERROR FIELD (NO)
 5: MINIMUM LENGTH (1)
 5: EXACT LENGTH TABLE (NO)
 5: RANGE (NO)
 5: ALLOWABLE ENTRY (NO)
 5: SUBSTITUTION (NO)
 5: JUSTIFICATION (RIGHT)
 5: FILL CHARACTER (0)
 5: FLOAT CHARACTER (0)
 5: DECIMAL POSITIONS (0)
 5: SIGN POSITION (LEADING)
 5: AUTO CLOSE (YES)
 5: ARITHMETIC OPERATION (NO)
 5: AUTO FILL-IN (NO)
 5: NEXT PAGE NUMBER (NO)
 5: BRANCHING (NO)
 5: AUTO-INCREMENT (NO)
 5: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 3)
 5: OUTPUT TO DISKETTE (YES)

SPECIES

6: TAB STOP (YES)
 6: INPUT TYPE (KEYBOARD)
 6: CHARACTER TYPE (DIGIT)
 6: SECURITY FIELD (NO)
 6: OVERRIDE ERROR FIELD (NO)
 6: MINIMUM LENGTH (0)
 6: EXACT LENGTH TABLE (YES:
 10)
 6: RANGE (NO)
 6: ALLOWABLE ENTRY (NO)
 6: SUBSTITUTION (NO)
 6: JUSTIFICATION (LEFT)
 6: FILL CHARACTER ()
 6: FLOAT CHARACTER ()
 6: DECIMAL POSITIONS (0)
 6: SIGN POSITION (LEADING)
 6: AUTO CLOSE (YES)
 6: ARITHMETIC OPERATION (NO)
 6: AUTO FILL-IN (NO)
 6: NEXT PAGE NUMBER (NO)
 6: BRANCHING (NO)
 6: AUTO-INCREMENT (NO)
 6: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 4)
 6: OUTPUT TO DISKETTE (YES)

BIOFORM-03

STATUS

7: TAB STOP (YES)
 7: INPUT TYPE (KEYBOARD-CONSTANT: 0)
 7: CHARACTER TYPE (DIGIT)
 7: SECURITY FIELD (NO)
 7: OVERRIDE ERROR FIELD (NO)
 7: MINIMUM LENGTH (1)
 7: EXACT LENGTH TABLE (NO)
 7: RANGE (YES:
 FROM: 0 TO: 4)
 7: ALLOWABLE ENTRY (NO)
 7: SUBSTITUTION (YES - RAM:
 ,0;)
 7: JUSTIFICATION (LEFT)
 7: FILL CHARACTER ()
 7: FLOAT CHARACTER ()
 7: DECIMAL POSITIONS (0)
 7: SIGN POSITION (LEADING)
 7: AUTO CLOSE (YES)
 7: ARITHMETIC OPERATION (NO)
 7: AUTO FILL-IN (NO)
 7: NEXT PAGE NUMBER (NO)
 7: BRANCHING (FIXED LINE: 7 POSITION: 1)
 7: AUTO-INCREMENT (NO)
 7: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 5)
 7: OUTPUT TO DISKETTE (YES)

LINE
NUMBER

8: TAB STOP (YES)
 8: INPUT TYPE (KEYBOARD)
 8: CHARACTER TYPE (PRINTABLE)
 8: SECURITY FIELD (NO)
 8: OVERRIDE ERROR FIELD (NO)
 8: MINIMUM LENGTH (0)
 8: EXACT LENGTH TABLE (NO)
 8: RANGE (NO)
 8: ALLOWABLE ENTRY (NO)
 8: SUBSTITUTION (NO)
 8: JUSTIFICATION (LEFT)
 8: FILL CHARACTER ()
 8: FLOAT CHARACTER ()
 8: DECIMAL POSITIONS (0)
 8: SIGN POSITION (LEADING)
 8: AUTO CLOSE (YES)
 8: ARITHMETIC OPERATION (NO)
 8: AUTO FILL-IN (NO)
 8: NEXT PAGE NUMBER (NO)
 8: BRANCHING (NO)
 8: AUTO-INCREMENT (NO)
 8: OUTPUT TO MEMORY CELL (NO)
 8: OUTPUT TO DISKETTE (YES)

BIOFORM-03

COLLECTION
NUMBER

9: TAB STOP (YES)
9: INPUT TYPE (KEYBOARD)
9: CHARACTER TYPE (PRINTABLE)
9: SECURITY FIELD (NO)
9: OVERRIDE ERROR FIELD (YES)
9: MINIMUM LENGTH (1)
9: EXACT LENGTH TABLE (NO)
9: RANGE (NO)
9: ALLOWABLE ENTRY (NO)
9: SUBSTITUTION (YES - RAM:
.,99999;)
9: JUSTIFICATION (RIGHT)
9: FILL CHARACTER (0)
9: FLOAT CHARACTER (0)
9: DECIMAL POSITIONS (0)
9: SIGN POSITION (LEADING)
9: AUTO CLOSE (YES)
9: ARITHMETIC OPERATION (NO)
9: AUTO FILL-IN (NO)
9: NEXT PAGE NUMBER (NO)
9: BRANCHING (NO)
9: AUTO-INCREMENT (NO)
9: OUTPUT TO MEMORY CELL (NO)
9: OUTPUT TO DISKETTE (YES)

COLLECTION
WEIGHT

10: TAB STOP (YES)
10: INPUT TYPE (KEYBOARD)
10: CHARACTER TYPE (PRINTABLE)
10: SECURITY FIELD (NO)
10: OVERRIDE ERROR FIELD (YES)
10: MINIMUM LENGTH (1)
10: EXACT LENGTH TABLE (NO)
10: RANGE (NO)
10: ALLOWABLE ENTRY (NO)
10: SUBSTITUTION (YES - RAM:
.,999999;)
10: JUSTIFICATION (RIGHT)
10: FILL CHARACTER (0)
10: FLOAT CHARACTER (0)
10: DECIMAL POSITIONS (0)
10: SIGN POSITION (LEADING)
10: AUTO CLOSE (YES)
10: ARITHMETIC OPERATION (NO)
10: AUTO FILL-IN (NO)
10: NEXT PAGE NUMBER (NO)
10: BRANCHING (NO)
10: AUTO-INCREMENT (NO)
10: OUTPUT TO MEMORY CELL (NO)
10: OUTPUT TO DISKETTE (YES)

BIOFORM-03

SAMPLE
NUMBER

11: TAB STOP (YES)
11: INPUT TYPE (KEYBOARD-FIELD # 9)
11: CHARACTER TYPE (DIGIT)
11: SECURITY FIELD (NO)
11: OVERRIDE ERROR FIELD (YES)
11: MINIMUM LENGTH (1)
11: EXACT LENGTH TABLE (NO)
11: RANGE (NO)
11: ALLOWABLE ENTRY (NO)
11: SUBSTITUTION (YES - RAM:
.,999999;)
11: JUSTIFICATION (RIGHT)
11: FILL CHARACTER (0)
11: FLOAT CHARACTER (0)
11: DECIMAL POSITIONS (0)
11: SIGN POSITION (LEADING)
11: AUTO CLOSE (YES)
11: ARITHMETIC OPERATION (NO)
11: AUTO FILL-IN (NO)
11: NEXT PAGE NUMBER (NO)
11: BRANCHING (NO)
11: AUTO-INCREMENT (NO)
11: OUTPUT TO MEMORY CELL (NO)
11: OUTPUT TO DISKETTE (YES)

SAMPLE
WEIGHT

12: TAB STOP (YES)
12: INPUT TYPE (KEYBOARD-FIELD # 10)
12: CHARACTER TYPE (PRINTABLE)
12: SECURITY FIELD (NO)
12: OVERRIDE ERROR FIELD (YES)
12: MINIMUM LENGTH (1)
12: EXACT LENGTH TABLE (NO)
12: RANGE (NO)
12: ALLOWABLE ENTRY (NO)
12: SUBSTITUTION (YES - RAM:
.,999999;)
12: JUSTIFICATION (RIGHT)
12: FILL CHARACTER (0)
12: FLOAT CHARACTER (0)
12: DECIMAL POSITIONS (0)
12: SIGN POSITION (LEADING)
12: AUTO CLOSE (YES)
12: ARITHMETIC OPERATION (NO)
12: AUTO FILL-IN (NO)
12: NEXT PAGE NUMBER (NO)
12: BRANCHING (NO)
12: AUTO-INCREMENT (NO)
12: OUTPUT TO MEMORY CELL (NO)
12: OUTPUT TO DISKETTE (YES)

BIOFORM-03

SUBSAMPLE
NUMBER

13: TAB STOP (YES)
13: INPUT TYPE (KEYBOARD-FIELD # 11)
13: CHARACTER TYPE (DIGIT)
13: SECURITY FIELD (NO)
13: OVERRIDE ERROR FIELD (YES)
13: MINIMUM LENGTH (1)
13: EXACT LENGTH TABLE (NO)
13: RANGE (NO)
13: ALLOWABLE ENTRY (NO)
13: SUBSTITUTION (YES - RAM:
.,99999;)
13: JUSTIFICATION (RIGHT)
13: FILL CHARACTER (0)
13: FLOAT CHARACTER (0)
13: DECIMAL POSITIONS (0)
13: SIGN POSITION (LEADING)
13: AUTO CLOSE (YES)
13: ARITHMETIC OPERATION (NO)
13: AUTO FILL-IN (NO)
13: NEXT PAGE NUMBER (NO)
13: BRANCHING (NO)
13: AUTO-INCREMENT (NO)
13: OUTPUT TO MEMORY CELL (NO)
13: OUTPUT TO DISKETTE (YES)

SUBSAMPLE
WEIGHT

14: TAB STOP (YES)
14: INPUT TYPE (KEYBOARD-FIELD # 12)
14: CHARACTER TYPE (PRINTABLE)
14: SECURITY FIELD (NO)
14: OVERRIDE ERROR FIELD (YES)
14: MINIMUM LENGTH (1)
14: EXACT LENGTH TABLE (NO)
14: RANGE (NO)
14: ALLOWABLE ENTRY (NO)
14: SUBSTITUTION (YES - RAM:
.,999999;)
14: JUSTIFICATION (RIGHT)
14: FILL CHARACTER (0)
14: FLOAT CHARACTER (0)
14: DECIMAL POSITIONS (0)
14: SIGN POSITION (LEADING)
14: AUTO CLOSE (YES)
14: ARITHMETIC OPERATION (NO)
14: AUTO FILL-IN (NO)
14: NEXT PAGE NUMBER (NO)
14: BRANCHING (NO)
14: AUTO-INCREMENT (NO)
14: OUTPUT TO MEMORY CELL (NO)
14: OUTPUT TO DISKETTE (YES)

BIOFORM-03

FORM
OF
RECORD
TYPE
FOUR

15: TAB STOP (YES)
15: INPUT TYPE (KEYBOARD)
15: CHARACTER TYPE (DIGIT)
15: SECURITY FIELD (NO)
15: OVERRIDE ERROR FIELD (NO)
15: MINIMUM LENGTH (1)
15: EXACT LENGTH TABLE (NO)
15: RANGE (NO)
15: ALLOWABLE ENTRY (NO)
15: SUBSTITUTION (NO)
15: JUSTIFICATION (LEFT)
15: FILL CHARACTER ()
15: FLOAT CHARACTER ()
15: DECIMAL POSITIONS (0)
15: SIGN POSITION (LEADING)
15: AUTO CLOSE (YES)
15: ARITHMETIC OPERATION (NO)
15: AUTO FILL-IN (NO)
15: NEXT PAGE NUMBER (NO)
15: BRANCHING (NO)
15: AUTO-INCREMENT (NO)
15: OUTPUT TO MEMORY CELL (NO)
15: OUTPUT TO DISKETTE (YES)

TAG TYPE

16: TAB STOP (YES)
16: INPUT TYPE (KEYBOARD)
16: CHARACTER TYPE (ALPHA)
16: SECURITY FIELD (NO)
16: OVERRIDE ERROR FIELD (YES)
16: MINIMUM LENGTH (0)
16: EXACT LENGTH TABLE (NO)
16: RANGE (NO)
16: ALLOWABLE ENTRY (NO)
16: SUBSTITUTION (NO)
16: JUSTIFICATION (LEFT)
16: FILL CHARACTER ()
16: FLOAT CHARACTER ()
16: DECIMAL POSITIONS (0)
16: SIGN POSITION (LEADING)
16: AUTO CLOSE (YES)
16: ARITHMETIC OPERATION (NO)
16: AUTO FILL-IN (NO)
16: NEXT PAGE NUMBER (NO)
16: BRANCHING (NO)
16: AUTO-INCREMENT (NO)
16: OUTPUT TO MEMORY CELL (NO)
16: OUTPUT TO DISKETTE (YES)

BIOFORM-03

NUMBER
TAGGED

17: TAB STOP (YES)
17: INPUT TYPE (KEYBOARD)
17: CHARACTER TYPE (DIGIT)
17: SECURITY FIELD (NO)
17: OVERRIDE ERROR FIELD (YES)
17: MINIMUM LENGTH (0)
17: EXACT LENGTH TABLE (NO)
17: RANGE (NO)
17: ALLOWABLE ENTRY (NO)
17: SUBSTITUTION (NO)
17: JUSTIFICATION (RIGHT)
17: FILL CHARACTER ()
17: FLOAT CHARACTER ()
17: DECIMAL POSITIONS (0)
17: SIGN POSITION (LEADING)
17: AUTO CLOSE (YES)
17: ARITHMETIC OPERATION (NO)
17: AUTO FILL-IN (NO)
17: NEXT PAGE NUMBER (NO)
17: BRANCHING (NO)

17: AUTO-INCREMENT (NO)
17: OUTPUT TO MEMORY CELL (YES)
17: OUTPUT TO DISKETTE (NO)

TAG
TYPE

18: TAB STOP (YES)
18: INPUT TYPE (KEYBOARD)
18: CHARACTER TYPE (ALPHA)
18: SECURITY FIELD (NO)
18: OVERRIDE ERROR FIELD (YES)
18: MINIMUM LENGTH (0)
18: EXACT LENGTH TABLE (NO)
18: RANGE (NO)
18: ALLOWABLE ENTRY (NO)
18: SUBSTITUTION (NO)
18: JUSTIFICATION (LEFT)
18: FILL CHARACTER ()
18: FLOAT CHARACTER ()
18: DECIMAL POSITIONS (0)
18: SIGN POSITION (LEADING)
18: AUTO CLOSE (YES)
18: ARITHMETIC OPERATION (NO)
18: AUTO FILL-IN (NO)
18: NEXT PAGE NUMBER (NO)
18: BRANCHING (NO)

18: AUTO-INCREMENT (NO)
18: OUTPUT TO MEMORY CELL (NO)
18: OUTPUT TO DISKETTE (YES)

NUMBER
TAGGED

BIOFORM-03

19: TAB STOP (YES)
19: INPUT TYPE (KEYBOARD)
19: CHARACTER TYPE (DIGIT)
19: SECURITY FIELD (NO)
19: OVERRIDE ERROR FIELD (YES)
19: MINIMUM LENGTH (0)
19: EXACT LENGTH TABLE (NO)
19: RANGE (NO)
19: ALLOWABLE ENTRY (NO)
19: SUBSTITUTION (NO)
19: JUSTIFICATION (RIGHT)
19: FILL CHARACTER ()
19: FLOAT CHARACTER ()
19: DECIMAL POSITIONS (0)
19: SIGN POSITION (LEADING)
19: AUTO CLOSE (YES)
19: ARITHMETIC OPERATION (NO)
19: AUTO FILL-IN (NO)
19: NEXT PAGE NUMBER (NO)
19: BRANCHING(NO)

19: AUTO-INCREMENT (NO)
19: OUTPUT TO MEMORY CELL (NO)
19: OUTPUT TO DISKETTE (YES)

FILL

20: TAB STOP (YES)
20: INPUT TYPE (CONSTANT:)
20: CHARACTER TYPE (PRINTABLE)
20: SECURITY FIELD (NO)
20: OVERRIDE ERROR FIELD (NO)
20: MINIMUM LENGTH (0)
20: EXACT LENGTH TABLE (NO)
20: RANGE (NO)
20: ALLOWABLE ENTRY (NO)
20: SUBSTITUTION (NO)
20: JUSTIFICATION (LEFT)
20: FILL CHARACTER ()
20: FLOAT CHARACTER ()
20: DECIMAL POSITIONS (0)
20: SIGN POSITION (LEADING)
20: AUTO CLOSE (YES)
20: ARITHMETIC OPERATION (NO)
20: AUTO FILL-IN (NO)
20: NEXT PAGE NUMBER (NO)
20: BRANCHING (NO)

20: AUTO-INCREMENT (NO)
20: OUTPUT TO MEMORY CELL (NO)
20: OUTPUT TO DISKETTE (YES)

LOAD
RECORD TYPE:
ONE

BIOFORM-03

21: TAB STOP (YES)
21: INPUT TYPE (KEYBOARD)
21: CHARACTER TYPE (PRINTABLE)
21: SECURITY FIELD (NO)
21: OVERRIDE ERROR FIELD (NO)
21: MINIMUM LENGTH (0)
21: EXACT LENGTH TABLE (NO)
21: RANGE (NO)
21: ALLOWABLE ENTRY (NO)
21: SUBSTITUTION (NO)
21: JUSTIFICATION (LEFT)
21: FILL CHARACTER ()
21: FLOAT CHARACTER ()
21: DECIMAL POSITIONS (0)
21: SIGN POSITION (LEADING)
21: AUTO CLOSE (YES)
21: ARITHMETIC OPERATION (NO)
21: AUTO FILL-IN (NO)
21: NEXT PAGE NUMBER (YES - PAGE 1)
21: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

21: AUTO-INCREMENT (NO)
21: OUTPUT TO MEMORY CELL (NO)
21: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
TWO

22: TAB STOP (YES)
22: INPUT TYPE (KEYBOARD)
22: CHARACTER TYPE (PRINTABLE)
22: SECURITY FIELD (NO)
22: OVERRIDE ERROR FIELD (NO)
22: MINIMUM LENGTH (0)
22: EXACT LENGTH TABLE (NO)
22: RANGE (NO)
22: ALLOWABLE ENTRY (NO)
22: SUBSTITUTION (NO)
22: JUSTIFICATION (LEFT)
22: FILL CHARACTER ()
22: FLOAT CHARACTER ()
22: DECIMAL POSITIONS (0)
22: SIGN POSITION (LEADING)
22: AUTO CLOSE (YES)
22: ARITHMETIC OPERATION (NO)
22: AUTO FILL-IN (NO)
22: NEXT PAGE NUMBER (YES - PAGE 2)
22: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

22: AUTO-INCREMENT (NO)
22: OUTPUT TO MEMORY CELL (NO)
22: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
THREE

BIOFORM-03

23: TAB STOP (YES)
23: INPUT TYPE (KEYBOARD)
23: CHARACTER TYPE (PRINTABLE)
23: SECURITY FIELD (NO)
23: OVERRIDE ERROR FIELD (NO)
23: MINIMUM LENGTH (0)
23: EXACT LENGTH TABLE (NO)
23: RANGE (NO)
23: ALLOWABLE ENTRY (NO)
23: SUBSTITUTION (NO)
23: JUSTIFICATION (LEFT)
23: FILL CHARACTER ()
23: FLOAT CHARACTER ()
23: DECIMAL POSITIONS (0)
23: SIGN POSITION (LEADING)
23: AUTO CLOSE (YES)
23: ARITHMETIC OPERATION (NO)
23: AUTO FILL-IN (NO)
23: NEXT PAGE NUMBER (YES - PAGE 3)
23: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))

23: AUTO-INCREMENT (NO)
23: OUTPUT TO MEMORY CELL (NO)
23: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FOUR

24: TAB STOP (YES)
24: INPUT TYPE (KEYBOARD)
24: CHARACTER TYPE (PRINTABLE)
24: SECURITY FIELD (NO)
24: OVERRIDE ERROR FIELD (NO)
24: MINIMUM LENGTH (0)
24: EXACT LENGTH TABLE (NO)
24: RANGE (NO)
24: ALLOWABLE ENTRY (NO)
24: SUBSTITUTION (NO)
24: JUSTIFICATION (LEFT)
24: FILL CHARACTER ()
24: FLOAT CHARACTER ()
24: DECIMAL POSITIONS (0)
24: SIGN POSITION (LEADING)
24: AUTO CLOSE (YES)
24: ARITHMETIC OPERATION (NO)
24: AUTO FILL-IN (NO)
24: NEXT PAGE NUMBER (YES - PAGE 4)
24: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))

24: AUTO-INCREMENT (NO)
24: OUTPUT TO MEMORY CELL (NO)
24: OUTPUT TO DISKETTE (NO)

BIOFORM-03

LOAD
RECORD TYPE:
FIVE

25: TAB STOP (YES)
25: INPUT TYPE (KEYBOARD)
25: CHARACTER TYPE (PRINTABLE)
25: SECURITY FIELD (NO)
25: OVERRIDE ERROR FIELD (NO)
25: MINIMUM LENGTH (0)
25: EXACT LENGTH TABLE (NO)
25: RANGE (NO)
25: ALLOWABLE ENTRY (NO)
25: SUBSTITUTION (NO)
25: JUSTIFICATION (LEFT)
25: FILL CHARACTER ()
25: FLOAT CHARACTER ()
25: DECIMAL POSITIONS (0)
25: SIGN POSITION (LEADING)
25: AUTO CLOSE (YES)
25: ARITHMETIC OPERATION (NO)
25: AUTO FILL-IN (NO)
25: NEXT PAGE NUMBER (YES - PAGE 5)
25: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

25: AUTO-INCREMENT (NO)
25: OUTPUT TO MEMORY CELL (NO)
25: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SIX

26: TAB STOP (YES)
26: INPUT TYPE (KEYBOARD)
26: CHARACTER TYPE (PRINTABLE)
26: SECURITY FIELD (NO)
26: OVERRIDE ERROR FIELD (NO)
26: MINIMUM LENGTH (0)
26: EXACT LENGTH TABLE (NO)
26: RANGE (NO)
26: ALLOWABLE ENTRY (NO)
26: SUBSTITUTION (NO)
26: JUSTIFICATION (LEFT)
26: FILL CHARACTER ()
26: FLOAT CHARACTER ()
26: DECIMAL POSITIONS (0)
26: SIGN POSITION (LEADING)
26: AUTO CLOSE (YES)
26: ARITHMETIC OPERATION (NO)
26: AUTO FILL-IN (NO)
26: NEXT PAGE NUMBER (YES - PAGE 6)
26: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

26: AUTO-INCREMENT (NO)
26: OUTPUT TO MEMORY CELL (NO)
26: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SEVEN

BIOFORM-03
27: TAB STOP (YES)
27: INPUT TYPE (KEYBOARD)
27: CHARACTER TYPE (PRINTABLE)
27: SECURITY FIELD (NO)
27: OVERRIDE ERROR FIELD (NO)
27: MINIMUM LENGTH (0)
27: EXACT LENGTH TABLE (NO)
27: RANGE (NO)
27: ALLOWABLE ENTRY (NO)
27: SUBSTITUTION (NO)
27: JUSTIFICATION (LEFT)
27: FILL CHARACTER ()
27: FLOAT CHARACTER ()
27: DECIMAL POSITIONS (0)
27: SIGN POSITION (LEADING)
27: AUTO CLOSE (YES)
27: ARITHMETIC OPERATION (NO)
27: AUTO FILL-IN (NO)
27: NEXT PAGE NUMBER (YES - PAGE 7)
27: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

27: AUTO-INCREMENT (NO)
27: OUTPUT TO MEMORY CELL (NO)
27: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
EIGHT

28: TAB STOP (YES)
28: INPUT TYPE (KEYBOARD)
28: CHARACTER TYPE (PRINTABLE)
28: SECURITY FIELD (NO)
28: OVERRIDE ERROR FIELD (NO)
28: MINIMUM LENGTH (0)
28: EXACT LENGTH TABLE (NO)
28: RANGE (NO)
28: ALLOWABLE ENTRY (NO)
28: SUBSTITUTION (NO)
28: JUSTIFICATION (LEFT)
28: FILL CHARACTER ()
28: FLOAT CHARACTER ()
28: DECIMAL POSITIONS (0)
28: SIGN POSITION (LEADING)
28: AUTO CLOSE (YES)
28: ARITHMETIC OPERATION (NO)
28: AUTO FILL-IN (NO)
28: NEXT PAGE NUMBER (NO)
28: BRANCHING (NO)

28: AUTO-INCREMENT (NO)
28: OUTPUT TO MEMORY CELL (NO)
28: OUTPUT TO DISKETTE (NO)

BIOFORM-03

LOAD
RECORD TYPE:
NINE

29: TAB STOP (YES)
29: INPUT TYPE (KEYBOARD)
29: CHARACTER TYPE (PRINTABLE)
29: SECURITY FIELD (NO)
29: OVERRIDE ERROR FIELD (NO)
29: MINIMUM LENGTH (0)
29: EXACT LENGTH TABLE (NO)
29: RANGE (NO)
29: ALLOWABLE ENTRY (NO)
29: SUBSTITUTION (NO)
29: JUSTIFICATION (LEFT)
29: FILL CHARACTER ()
29: FLOAT CHARACTER ()
29: DECIMAL POSITIONS (0)
29: SIGN POSITION (LEADING)
29: AUTO CLOSE (YES)
29: ARITHMETIC OPERATION (NO)
29: AUTO FILL-IN (NO)
29: NEXT PAGE NUMBER (YES - PAGE 8)
29: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))
29: AUTO-INCREMENT (NO)
29: OUTPUT TO MEMORY CELL (NO)
29: OUTPUT TO DISKETTE (NO)

LAYOUT FILE

[illegible]

BIOFORM-04 ATTRIBUTES

ACTION FIELD

TAB STOP (YES)
 1: INPUT TYPE (KEYBOARD-CONSTANT:)
 1: CHARACTER TYPE (ALPHA)
 1: SECURITY FIELD (NO)
 1: OVERRIDE ERROR FIELD (NO)
 1: MINIMUM LENGTH (0)
 1: EXACT LENGTH TABLE (NO)
 1: RANGE (NO)
 1: ALLOWABLE ENTRY (YES:
 DRIVE: 1 FILE: ACTION)
 1: SUBSTITUTION (NO)
 1: JUSTIFICATION (LEFT)
 1: FILL CHARACTER ()
 1: FLOAT CHARACTER ()
 1: DECIMAL POSITIONS (0)
 1: SIGN POSITION (LEADING)
 1: AUTO CLOSE (YES)
 1: ARITHMETIC OPERATION (NO)
 1: AUTO FILL-IN (NO)
 1: NEXT PAGE NUMBER (NO)
 1: BRANCHING (NO)
 1: AUTO-INCREMENT (NO)
 1: OUTPUT TO MEMORY CELL (NO)
 1: OUTPUT TO DISKETTE (YES)

RECORD TYPE

2: TAB STOP (YES)
 2: INPUT TYPE (CONSTANT: 4)
 2: CHARACTER TYPE (PRINTABLE)
 2: SECURITY FIELD (NO)
 2: OVERRIDE ERROR FIELD (NO)
 2: MINIMUM LENGTH (0)
 2: EXACT LENGTH TABLE (NO)
 2: RANGE (NO)
 2: ALLOWABLE ENTRY (NO)
 2: SUBSTITUTION (NO)
 2: JUSTIFICATION (LEFT)
 2: FILL CHARACTER ()
 2: FLOAT CHARACTER ()
 2: DECIMAL POSITIONS (0)
 2: SIGN POSITION (LEADING)
 2: AUTO CLOSE (YES)
 2: ARITHMETIC OPERATION (NO)
 2: AUTO FILL-IN (NO)
 2: NEXT PAGE NUMBER (NO)
 2: BRANCHING (NO)
 2: AUTO-INCREMENT (NO)
 2: OUTPUT TO MEMORY CELL (NO)
 2: OUTPUT TO DISKETTE (YES)

BIOFORM-04

SEQUENCE
NO: YEAR

3: TAB STOP (YES)
3: INPUT TYPE (KEYBOARD-MEMORY CELL # 1)
3: CHARACTER TYPE (DIGIT)
3: SECURITY FIELD (NO)
3: OVERRIDE ERROR FIELD (NO)
3: MINIMUM LENGTH (0)
3: EXACT LENGTH TABLE (YES:
2)
3: RANGE (NO)
3: ALLOWABLE ENTRY (NO)
3: SUBSTITUTION (NO)
3: JUSTIFICATION (LEFT)
3: FILL CHARACTER ()
3: FLOAT CHARACTER ()
3: DECIMAL POSITIONS (0)
3: SIGN POSITION (LEADING)
3: AUTO CLOSE (YES)
3: ARITHMETIC OPERATION (NO)
3: AUTO FILL-IN (NO)
3: NEXT PAGE NUMBER (NO)
3: BRANCHING (NO)
3: AUTO-INCREMENT (NO)
3: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 1)
3: OUTPUT TO DISKETTE (YES)

SEQUENCE
NO: COLLECTION
NO

4: TAB STOP (YES)
4: INPUT TYPE (KEYBOARD-MEMORY CELL # 2)
4: CHARACTER TYPE (DIGIT)
4: SECURITY FIELD (NO)
4: OVERRIDE ERROR FIELD (NO)
4: MINIMUM LENGTH (1)
4: EXACT LENGTH TABLE (NO)
4: RANGE (NO)
4: ALLOWABLE ENTRY (NO)
4: SUBSTITUTION (NO)
4: JUSTIFICATION (RIGHT)
4: FILL CHARACTER (0)
4: FLOAT CHARACTER (0)
4: DECIMAL POSITIONS (0)
4: SIGN POSITION (LEADING)
4: AUTO CLOSE (YES)
4: ARITHMETIC OPERATION (NO)
4: AUTO FILL-IN (NO)
4: NEXT PAGE NUMBER (NO)
4: BRANCHING (NO)
4: AUTO-INCREMENT (NO)
4: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 2)
4: OUTPUT TO DISKETTE (YES)

BIOFORM-04

REPLICATE

5: TAB STOP (YES)
 5: INPUT TYPE (KEYBOARD-MEMORY CELL # 3)
 5: CHARACTER TYPE (DIGIT)
 5: SECURITY FIELD (NO)
 5: OVERRIDE ERROR FIELD (NO)
 5: MINIMUM LENGTH (1)
 5: EXACT LENGTH TABLE (NO)
 5: RANGE (NO)
 5: ALLOWABLE ENTRY (NO)
 5: SUBSTITUTION (NO)
 5: JUSTIFICATION (RIGHT)
 5: FILL CHARACTER ()
 5: FLOAT CHARACTER (0)
 5: DECIMAL POSITIONS (0)
 5: SIGN POSITION (LEADING)
 5: AUTO CLOSE (YES)
 5: ARITHMETIC OPERATION (NO)
 5: AUTO FILL-IN (NO)
 5: NEXT PAGE NUMBER (NO)
 5: BRANCHING (NO)
 5: AUTO-INCREMENT (NO)
 5: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 3)
 5: OUTPUT TO DISKETTE (YES)

SPECIES

6: TAB STOP (YES)
 6: INPUT TYPE (KEYBOARD-MEMORY CELL # 4)
 6: CHARACTER TYPE (DIGIT)
 6: SECURITY FIELD (NO)
 6: OVERRIDE ERROR FIELD (NO)
 6: MINIMUM LENGTH (0)
 6: EXACT LENGTH TABLE (YES:
 10)
 6: RANGE (NO)
 6: ALLOWABLE ENTRY (NO)
 6: SUBSTITUTION (NO)
 6: JUSTIFICATION (LEFT)
 6: FILL CHARACTER ()
 6: FLOAT CHARACTER ()
 6: DECIMAL POSITIONS (0)
 6: SIGN POSITION (LEADING)
 6: AUTO CLOSE (YES)
 6: ARITHMETIC OPERATION (NO)
 6: AUTO FILL-IN (NO)
 6: NEXT PAGE NUMBER (NO)
 6: BRANCHING (NO)
 6: AUTO-INCREMENT (NO)
 6: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 4)
 6: OUTPUT TO DISKETTE (YES)

BIOFORM-04

STATUS

7: TAB STOP (YES)
 7: INPUT TYPE (KEYBOARD-MEMORY CELL # 5)
 7: CHARACTER TYPE (DIGIT)
 7: SECURITY FIELD (NO)
 7: OVERRIDE ERROR FIELD (NO)
 7: MINIMUM LENGTH (1)
 7: EXACT LENGTH TABLE (NO)
 7: RANGE (NO)
 7: ALLOWABLE ENTRY (NO)
 7: SUBSTITUTION (NO)
 7: JUSTIFICATION (LEFT)
 7: FILL CHARACTER ()
 7: FLOAT CHARACTER ()
 7: DECIMAL POSITIONS (0)
 7: SIGN POSITION (LEADING)
 7: AUTO CLOSE (YES)
 7: ARITHMETIC OPERATION (NO)
 7: AUTO FILL-IN (NO)
 7: NEXT PAGE NUMBER (NO)
 7: BRANCHING (NO)
 7: AUTO-INCREMENT (NO)
 7: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 5)
 7: OUTPUT TO DISKETTE (YES)

LINE
NUMBER

8: TAB STOP (YES)
 8: INPUT TYPE (KEYBOARD-REGISTER # 1)
 8: CHARACTER TYPE (DIGIT)
 8: SECURITY FIELD (NO)
 8: OVERRIDE ERROR FIELD (NO)
 8: MINIMUM LENGTH (1)
 8: EXACT LENGTH TABLE (NO)
 8: RANGE (NO)
 8: ALLOWABLE ENTRY (NO)
 8: SUBSTITUTION (NO)
 8: JUSTIFICATION (RIGHT)
 8: FILL CHARACTER (0)
 8: FLOAT CHARACTER (0)
 8: DECIMAL POSITIONS (0)
 8: SIGN POSITION (LEADING)
 8: AUTO CLOSE (YES)
 8: ARITHMETIC OPERATION (YES :
 R1=F8+1)
 8: AUTO FILL-IN (NO)
 8: NEXT PAGE NUMBER (NO)
 8: BRANCHING (NO)
 8: AUTO-INCREMENT (NO)
 8: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 6)
 8: OUTPUT TO DISKETTE (YES)

BIOFORM-04

FREQUENCY

9: TAB STOP (YES)
 9: INPUT TYPE (KEYBOARD-CONSTANT: 1)
 9: CHARACTER TYPE (DIGIT)
 9: SECURITY FIELD (NO)
 9: OVERRIDE ERROR FIELD (NO)
 9: MINIMUM LENGTH (1)
 9: EXACT LENGTH TABLE (NO)
 9: RANGE (NO)
 9: ALLOWABLE ENTRY (NO)
 9: SUBSTITUTION (NO)
 9: JUSTIFICATION (RIGHT)
 9: FILL CHARACTER (0)
 9: FLOAT CHARACTER (0)
 9: DECIMAL POSITIONS (0)
 9: SIGN POSITION (LEADING)
 9: AUTO CLOSE (YES)
 9: ARITHMETIC OPERATION (NO)
 9: AUTO FILL-IN (NO)
 9: NEXT PAGE NUMBER (NO)
 9: BRANCHING (NO)
 9: AUTO-INCREMENT (NO)
 9: OUTPUT TO MEMORY CELL (NO)
 9: OUTPUT TO DISKETTE (YES)

LENGTH

10: TAB STOP (YES)
 10: INPUT TYPE (KEYBOARD)
 10: CHARACTER TYPE (PRINTABLE)
 10: SECURITY FIELD (NO)
 10: OVERRIDE ERROR FIELD (YES)
 10: MINIMUM LENGTH (0)
 10: EXACT LENGTH TABLE (NO)
 10: RANGE (NO)
 10: ALLOWABLE ENTRY (NO)
 10: SUBSTITUTION (NO)
 10: JUSTIFICATION (RIGHT)
 10: FILL CHARACTER ()
 10: FLOAT CHARACTER ()
 10: DECIMAL POSITIONS (0)
 10: SIGN POSITION (LEADING)
 10: AUTO CLOSE (YES)
 10: ARITHMETIC OPERATION (NO)
 10: AUTO FILL-IN (NO)
 10: NEXT PAGE NUMBER (NO)
 10: BRANCHING (NO)
 10: AUTO-INCREMENT (NO)
 10: OUTPUT TO MEMORY CELL (NO)
 10: OUTPUT TO DISKETTE (YES)

BIOFORM - 04

WEIGHT

11: TAB STOP (YES)
 11: INPUT TYPE (KEYBOARD)
 11: CHARACTER TYPE (PRINTABLE)
 11: SECURITY FIELD (NO)
 11: OVERRIDE ERROR FIELD (YES)
 11: MINIMUM LENGTH (0)
 11: EXACT LENGTH TABLE (NO)
 11: RANGE (NO)
 11: ALLOWABLE ENTRY (NO)
 11: SUBSTITUTION (NO)
 11: JUSTIFICATION (RIGHT)
 11: FILL CHARACTER ()
 11: FLOAT CHARACTER ()
 11: DECIMAL POSITIONS (0)
 11: SIGN POSITION (LEADING)
 11: AUTO CLOSE (YES)
 11: ARITHMETIC OPERATION (NO)
 11: AUTO FILL-IN (NO)
 11: NEXT PAGE NUMBER (NO)
 11: BRANCHING (NO)
 11: AUTO-INCREMENT (NO)
 11: OUTPUT TO MEMORY CELL (NO)
 11: OUTPUT TO DISKETTE (YES)

END
 OF
 PAGE

12: TAB STOP (YES)
 12: INPUT TYPE (KEYBOARD)
 12: CHARACTER TYPE (PRINTABLE)
 12: SECURITY FIELD (NO)
 12: OVERRIDE ERROR FIELD (NO)
 12: MINIMUM LENGTH (0)
 12: EXACT LENGTH TABLE (NO)
 12: RANGE (NO)
 12: ALLOWABLE ENTRY (NO)
 12: SUBSTITUTION (NO)
 12: JUSTIFICATION (LEFT)
 12: FILL CHARACTER ()
 12: FLOAT CHARACTER ()
 12: DECIMAL POSITIONS (0)
 12: SIGN POSITION (LEADING)
 12: AUTO CLOSE (YES)
 12: ARITHMETIC OPERATION (NO)
 12: AUTO FILL-IN (NO)
 12: NEXT PAGE NUMBER (NO)
 12: BRANCHING (TEST LINE: 22 POSITION: 1:

BRANCH: MINIMUM LENGTH (0)
 BRANCH: MAXIMUM LENGTH (1)
 BRANCH: EXACT LENGTH TABLE (NO)
 BRANCH: RANGE (NO)
 BRANCH: ALLOWABLE ENTRY (YES - RAM:
 X;))

12: AUTO-INCREMENT (NO)
 12: OUTPUT TO MEMORY CELL (NO)
 12: OUTPUT TO DISKETTE (NO)

BIOFORM-04

SEX

13: TAB STOP (YES)
 13: INPUT TYPE (KEYBOARD)
 13: CHARACTER TYPE (MIXED)
 13: SECURITY FIELD (NO)
 13: OVERRIDE ERROR FIELD (YES)
 13: MINIMUM LENGTH (0)
 13: EXACT LENGTH TABLE (NO)
 13: RANGE (NO)
 13: ALLOWABLE ENTRY (NO)
 13: SUBSTITUTION (YES:
 DRIVE: 1 FILE: SEX)
 13: JUSTIFICATION (LEFT)
 13: FILL CHARACTER ()
 13: FLOAT CHARACTER ()
 13: DECIMAL POSITIONS (0)
 13: SIGN POSITION (LEADING)
 13: AUTO CLOSE (YES)
 13: ARITHMETIC OPERATION (NO)
 13: AUTO FILL-IN (NO)
 13: NEXT PAGE NUMBER (NO)
 13: BRANCHING (NO)
 13: AUTO-INCREMENT (NO)
 13: OUTPUT TO MEMORY CELL (NO)
 13: OUTPUT TO DISKETTE (YES)

MATURITY

14: TAB STOP (YES)
 14: INPUT TYPE (KEYBOARD)
 14: CHARACTER TYPE (DIGIT)
 14: SECURITY FIELD (NO)
 14: OVERRIDE ERROR FIELD (YES)
 14: MINIMUM LENGTH (0)
 14: EXACT LENGTH TABLE (NO)
 14: RANGE (NO)
 14: ALLOWABLE ENTRY (NO)
 14: SUBSTITUTION (NO)
 14: JUSTIFICATION (LEFT)
 14: FILL CHARACTER ()
 14: FLOAT CHARACTER ()
 14: DECIMAL POSITIONS (0)
 14: SIGN POSITION (LEADING)
 14: AUTO CLOSE (YES)
 14: ARITHMETIC OPERATION (NO)
 14: AUTO FILL-IN (NO)
 14: NEXT PAGE NUMBER (NO)
 14: BRANCHING (NO)
 14: AUTO-INCREMENT (NO)
 14: OUTPUT TO MEMORY CELL (NO)
 14: OUTPUT TO DISKETTE (YES)

BIOFORM-04

END
OF
PAGE

15: TAB STOP (YES)
15: INPUT TYPE (KEYBOARD)
15: CHARACTER TYPE (PRINTABLE)
15: SECURITY FIELD (NO)
15: OVERRIDE ERROR FIELD (NO)
15: MINIMUM LENGTH (0)
15: EXACT LENGTH TABLE (NO)
15: RANGE (NO)
15: ALLOWABLE ENTRY (NO)
15: SUBSTITUTION (NO)
15: JUSTIFICATION (LEFT)
15: FILL CHARACTER ()
15: FLOAT CHARACTER ()
15: DECIMAL POSITIONS (0)
15: SIGN POSITION (LEADING)
15: AUTO CLOSE (YES)
15: ARITHMETIC OPERATION (NO)
15: AUTO FILL-IN (NO)
15: NEXT PAGE NUMBER (NO)
15: BRANCHING (TEST LINE: 22 POSITION: 1:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

15: AUTO-INCREMENT (NO)
15: OUTPUT TO MEMORY CELL (NO)
15: OUTPUT TO DISKETTE (NO)

PARAMETER
A

16: TAB STOP (YES)
16: INPUT TYPE (KEYBOARD)
16: CHARACTER TYPE (PRINTABLE)
16: SECURITY FIELD (NO)
16: OVERRIDE ERROR FIELD (YES)
16: MINIMUM LENGTH (0)
16: EXACT LENGTH TABLE (NO)
16: RANGE (NO)
16: ALLOWABLE ENTRY (NO)
16: SUBSTITUTION (NO)
16: JUSTIFICATION (RIGHT)
16: FILL CHARACTER ()
16: FLOAT CHARACTER ()
16: DECIMAL POSITIONS (0)
16: SIGN POSITION (LEADING)
16: AUTO CLOSE (YES)
16: ARITHMETIC OPERATION (NO)
16: AUTO FILL-IN (NO)
16: NEXT PAGE NUMBER (NO)
16: BRANCHING (NO)
16: AUTO-INCREMENT (NO)
16: OUTPUT TO MEMORY CELL (NO)
16: OUTPUT TO DISKETTE (YES)

BIOFORM-04

PARAMETER B

17: TAB STOP (YES)
 17: INPUT TYPE (KEYBOARD)
 17: CHARACTER TYPE (PRINTABLE)
 17: SECURITY FIELD (NO)
 17: OVERRIDE ERROR FIELD (YES)
 17: MINIMUM LENGTH (0)
 17: EXACT LENGTH TABLE (NO)
 17: RANGE (NO)
 17: ALLOWABLE ENTRY (NO)
 17: SUBSTITUTION (NO)
 17: JUSTIFICATION (RIGHT)
 17: FILL CHARACTER ()
 17: FLOAT CHARACTER ()
 17: DECIMAL POSITIONS (0)
 17: SIGN POSITION (LEADING)
 17: AUTO CLOSE (YES)
 17: ARITHMETIC OPERATION (NO)
 17: AUTO FILL-IN (NO)
 17: NEXT PAGE NUMBER (NO)
 17: BRANCHING (NO)
 17: AUTO-INCREMENT (NO)
 17: OUTPUT TO MEMORY CELL (NO)
 17: OUTPUT TO DISKETTE (YES)

PARAMETER C

18: TAB STOP (YES)
 18: INPUT TYPE (KEYBOARD)
 18: CHARACTER TYPE (PRINTABLE)
 18: SECURITY FIELD (NO)
 18: OVERRIDE ERROR FIELD (YES)
 18: MINIMUM LENGTH (0)
 18: EXACT LENGTH TABLE (NO)
 18: RANGE (NO)
 18: ALLOWABLE ENTRY (NO)
 18: SUBSTITUTION (NO)
 18: JUSTIFICATION (RIGHT)
 18: FILL CHARACTER ()
 18: FLOAT CHARACTER ()
 18: DECIMAL POSITIONS (0)
 18: SIGN POSITION (LEADING)
 18: AUTO CLOSE (YES)
 18: ARITHMETIC OPERATION (NO)
 18: AUTO FILL-IN (NO)
 18: NEXT PAGE NUMBER (NO)
 18: BRANCHING (NO)
 18: AUTO-INCREMENT (NO)
 18: OUTPUT TO MEMORY CELL (NO)
 18: OUTPUT TO DISKETTE (YES)

BIOFORM-04

PARAMETER

D

19: TAB STOP (YES)
 19: INPUT TYPE (KEYBOARD)
 19: CHARACTER TYPE (PRINTABLE)
 19: SECURITY FIELD (NO)
 19: OVERRIDE ERROR FIELD (YES)
 19: MINIMUM LENGTH (0)
 19: EXACT LENGTH TABLE (NO)
 19: RANGE (NO)
 19: ALLOWABLE ENTRY (NO)
 19: SUBSTITUTION (NO)
 19: JUSTIFICATION (RIGHT)
 19: FILL CHARACTER ()
 19: FLOAT CHARACTER ()
 19: DECIMAL POSITIONS (0)
 19: SIGN POSITION (LEADING)
 19: AUTO CLOSE (YES)
 19: ARITHMETIC OPERATION (NO)
 19: AUTO FILL-IN (NO)
 19: NEXT PAGE NUMBER (NO)
 19: BRANCHING (NO)
 19: AUTO-INCREMENT (NO)
 19: OUTPUT TO MEMORY CELL (NO)
 19: OUTPUT TO DISKETTE (YES)

EGG
 OR
 LARVAL
 STAGE

20: TAB STOP (YES)
 20: INPUT TYPE (KEYBOARD)
 20: CHARACTER TYPE (DIGIT)
 20: SECURITY FIELD (NO)
 20: OVERRIDE ERROR FIELD (YES)
 20: MINIMUM LENGTH (0)
 20: EXACT LENGTH TABLE (NO)
 20: RANGE (NO)
 20: ALLOWABLE ENTRY (NO)
 20: SUBSTITUTION (NO)
 20: JUSTIFICATION (LEFT)
 20: FILL CHARACTER ()
 20: FLOAT CHARACTER ()
 20: DECIMAL POSITIONS (0)
 20: SIGN POSITION (LEADING)
 20: AUTO CLOSE (YES)
 20: ARITHMETIC OPERATION (NO)
 20: AUTO FILL-IN (NO)
 20: NEXT PAGE NUMBER (NO)
 20: BRANCHING (NO)
 20: AUTO-INCREMENT (NO)
 20: OUTPUT TO MEMORY CELL (NO)
 20: OUTPUT TO DISKETTE (YES)

BIOFORM-04

STATUS

21: TAB STOP (YES)
 21: INPUT TYPE (KEYBOARD)
 21: CHARACTER TYPE (DIGIT)
 21: SECURITY FIELD (NO)
 21: OVERRIDE ERROR FIELD (YES)
 21: MINIMUM LENGTH (0)
 21: EXACT LENGTH TABLE (NO)
 21: RANGE (NO)
 21: ALLOWABLE ENTRY (NO)
 21: SUBSTITUTION (NO)
 21: JUSTIFICATION (LEFT)
 21: FILL CHARACTER ()
 21: FLOAT CHARACTER ()
 21: DECIMAL POSITIONS (0)
 21: SIGN POSITION (LEADING)
 21: AUTO CLOSE (YES)
 21: ARITHMETIC OPERATION (NO)
 21: AUTO FILL-IN (NO)
 21: NEXT PAGE NUMBER (NO)
 21: BRANCHING (NO)
 21: AUTO-INCREMENT (NO)
 21: OUTPUT TO MEMORY CELL (NO)
 21: OUTPUT TO DISKETTE (YES)

TAG
NUMBER

22: TAB STOP (YES)
 22: INPUT TYPE (KEYBOARD)
 22: CHARACTER TYPE (MIXED)
 22: SECURITY FIELD (NO)
 22: OVERRIDE ERROR FIELD (YES)
 22: MINIMUM LENGTH (0)
 22: EXACT LENGTH TABLE (NO)
 22: RANGE (NO)
 22: ALLOWABLE ENTRY (NO)
 22: SUBSTITUTION (NO)
 22: JUSTIFICATION (LEFT)
 22: FILL CHARACTER ()
 22: FLOAT CHARACTER ()
 22: DECIMAL POSITIONS (0)
 22: SIGN POSITION (LEADING)
 22: AUTO CLOSE (YES)
 22: ARITHMETIC OPERATION (NO)
 22: AUTO FILL-IN (NO)
 22: NEXT PAGE NUMBER (NO)
 22: BRANCHING (NO)
 22: AUTO-INCREMENT (NO)
 22: OUTPUT TO MEMORY CELL (NO)
 22: OUTPUT TO DISKETTE (YES)

BIOFORM-04

AGE
STATUS

23: TAB STOP (YES)
23: INPUT TYPE (KEYBOARD)
23: CHARACTER TYPE (DIGIT)
23: SECURITY FIELD (NO)
23: OVERRIDE ERROR FIELD (YES)
23: MINIMUM LENGTH (0)
23: EXACT LENGTH TABLE (NO)
23: RANGE (YES:
FROM: 0 TO: 3)
23: ALLOWABLE ENTRY (NO)
23: SUBSTITUTION (NO)
23: JUSTIFICATION (LEFT)
23: FILL CHARACTER ()
23: FLOAT CHARACTER ()
23: DECIMAL POSITIONS (0)
23: SIGN POSITION (LEADING)
23: AUTO CLOSE (YES)
23: ARITHMETIC OPERATION (NO)
23: AUTO FILL-IN (NO)
23: NEXT PAGE NUMBER (NO)
23: BRANCHING (NO)
23: AUTO-INCREMENT (NO)
23: OUTPUT TO MEMORY CELL (NO)
23: OUTPUT TO DISKETTE (YES)

AGED
STRUCTURE

24: TAB STOP (YES)
24: INPUT TYPE (KEYBOARD)
24: CHARACTER TYPE (DIGIT)
24: SECURITY FIELD (NO)
24: OVERRIDE ERROR FIELD (YES)
24: MINIMUM LENGTH (0)
24: EXACT LENGTH TABLE (NO)
24: RANGE (YES:
FROM: 0 TO: 4)
24: ALLOWABLE ENTRY (NO)
24: SUBSTITUTION (NO)
24: JUSTIFICATION (LEFT)
24: FILL CHARACTER ()
24: FLOAT CHARACTER ()
24: DECIMAL POSITIONS (0)
24: SIGN POSITION (LEADING)
24: AUTO CLOSE (YES)
24: ARITHMETIC OPERATION (NO)
24: AUTO FILL-IN (NO)
24: NEXT PAGE NUMBER (NO)
24: BRANCHING (NO)
24: AUTO-INCREMENT (NO)
24: OUTPUT TO MEMORY CELL (NO)
24: OUTPUT TO DISKETTE (YES)

BIOFORM-04

AGE

25: TAB STOP (YES)
 25: INPUT TYPE (KEYBOARD)
 25: CHARACTER TYPE (DIGIT)
 25: SECURITY FIELD (NO)
 25: OVERRIDE ERROR FIELD (YES)
 25: MINIMUM LENGTH (0)
 25: EXACT LENGTH TABLE (NO)
 25: RANGE (YES:
 FROM: 0 TO: 30)
 25: ALLOWABLE ENTRY (NO)
 25: SUBSTITUTION (NO)
 25: JUSTIFICATION (RIGHT)
 25: FILL CHARACTER ()
 25: FLOAT CHARACTER ()
 25: DECIMAL POSITIONS (0)
 25: SIGN POSITION (LEADING)
 25: AUTO CLOSE (YES)
 25: ARITHMETIC OPERATION (NO)
 25: AUTO FILL-IN (NO)
 25: NEXT PAGE NUMBER (NO)
 25: BRANCHING (NO)
 25: AUTO-INCREMENT (NO)
 25: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 7)
 25: OUTPUT TO DISKETTE (YES)

NUMBER
 OF
 SPAWNING
 MARKS

26: TAB STOP (YES)
 26: INPUT TYPE (KEYBOARD)
 26: CHARACTER TYPE (DIGIT)
 26: SECURITY FIELD (NO)
 26: OVERRIDE ERROR FIELD (YES)
 26: MINIMUM LENGTH (0)
 26: EXACT LENGTH TABLE (NO)
 26: RANGE (YES:
 FROM: 0 TO: 30)
 26: ALLOWABLE ENTRY (NO)
 26: SUBSTITUTION (NO)
 26: JUSTIFICATION (RIGHT)
 26: FILL CHARACTER ()
 26: FLOAT CHARACTER ()
 26: DECIMAL POSITIONS (0)
 26: SIGN POSITION (LEADING)
 26: AUTO CLOSE (YES)
 26: ARITHMETIC OPERATION (NO)
 26: AUTO FILL-IN (NO)
 26: NEXT PAGE NUMBER (NO)
 26: BRANCHING (NO)
 26: AUTO-INCREMENT (NO)
 26: OUTPUT TO MEMORY CELL (NO)
 26: OUTPUT TO DISKETTE (YES)

BIOFORM-04

FILL

27: TAB STOP (YES)
 27: INPUT TYPE (CONSTANT:)
 27: CHARACTER TYPE (PRINTABLE)
 27: SECURITY FIELD (NO)
 27: OVERRIDE ERROR FIELD (NO)
 27: MINIMUM LENGTH (0)
 27: EXACT LENGTH TABLE (NO)
 27: RANGE (NO)
 27: ALLOWABLE ENTRY (NO)
 27: SUBSTITUTION (NO)
 27: JUSTIFICATION (LEFT)
 27: FILL CHARACTER ()
 27: FLOAT CHARACTER ()
 27: DECIMAL POSITIONS (0)
 27: SIGN POSITION (LEADING)
 27: AUTO CLOSE (YES)
 27: ARITHMETIC OPERATION (NO)
 27: AUTO FILL-IN (NO)
 27: NEXT PAGE NUMBER (NO)
 27: BRANCHING (NO)
 27: AUTO-INCREMENT (NO)
 27: OUTPUT TO MEMORY CELL (NO)
 27: OUTPUT TO DISKETTE (YES)

LOAD
 RECORD TYPE:
 ONE

28: TAB STOP (YES)
 28: INPUT TYPE (KEYBOARD)
 28: CHARACTER TYPE (PRINTABLE)
 28: SECURITY FIELD (NO)
 28: OVERRIDE ERROR FIELD (NO)
 28: MINIMUM LENGTH (0)
 28: EXACT LENGTH TABLE (NO)
 28: RANGE (NO)
 28: ALLOWABLE ENTRY (NO)
 28: SUBSTITUTION (NO)
 28: JUSTIFICATION (LEFT)
 28: FILL CHARACTER ()
 28: FLOAT CHARACTER ()
 28: DECIMAL POSITIONS (0)
 28: SIGN POSITION (LEADING)
 28: AUTO CLOSE (YES)
 28: ARITHMETIC OPERATION (NO)
 28: AUTO FILL-IN (NO)
 28: NEXT PAGE NUMBER (YES - PAGE 1)
 28: BRANCHING (TEST LINE: 23 POSITION:80:

BRANCH: MINIMUM LENGTH (0)
 BRANCH: MAXIMUM LENGTH (1)
 BRANCH: EXACT LENGTH TABLE (NO)
 BRANCH: RANGE (NO)
 BRANCH: ALLOWABLE ENTRY (YES - RAM:
 X:))
 28: AUTO-INCREMENT (NO)
 28: OUTPUT TO MEMORY CELL (NO)
 28: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
TWO

BIOFORM-04

29: TAB STOP (YES)
29: INPUT TYPE (KEYBOARD)
29: CHARACTER TYPE (PRINTABLE)
29: SECURITY FIELD (NO)
29: OVERRIDE ERROR FIELD (NO)
29: MINIMUM LENGTH (0)
29: EXACT LENGTH TABLE (NO)
29: RANGE (NO)
29: ALLOWABLE ENTRY (NO)
29: SUBSTITUTION (NO)
29: JUSTIFICATION (LEFT)
29: FILL CHARACTER ()
29: FLOAT CHARACTER ()
29: DECIMAL POSITIONS (0)
29: SIGN POSITION (LEADING)
29: AUTO CLOSE (YES)
29: ARITHMETIC OPERATION (NO)
29: AUTO FILL-IN (NO)
29: NEXT PAGE NUMBER (YES - PAGE 2)
29: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

29: AUTO-INCREMENT (NO)
29: OUTPUT TO MEMORY CELL (NO)
29: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
THREE

30: TAB STOP (YES)
30: INPUT TYPE (KEYBOARD)
30: CHARACTER TYPE (PRINTABLE)
30: SECURITY FIELD (NO)
30: OVERRIDE ERROR FIELD (NO)
30: MINIMUM LENGTH (0)
30: EXACT LENGTH TABLE (NO)
30: RANGE (NO)
30: ALLOWABLE ENTRY (NO)
30: SUBSTITUTION (NO)
30: JUSTIFICATION (LEFT)
30: FILL CHARACTER ()
30: FLOAT CHARACTER ()
30: DECIMAL POSITIONS (0)
30: SIGN POSITION (LEADING)
30: AUTO CLOSE (YES)
30: ARITHMETIC OPERATION (NO)
30: AUTO FILL-IN (NO)
30: NEXT PAGE NUMBER (YES - PAGE 3)
30: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

30: AUTO-INCREMENT (NO)
30: OUTPUT TO MEMORY CELL (NO)
30: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FOUR

BIOFORM 04

31: TAB STOP (YES)
31: INPUT TYPE (KEYBOARD)
31: CHARACTER TYPE (PRINTABLE)
31: SECURITY FIELD (NO)
31: OVERRIDE ERROR FIELD (NO)
31: MINIMUM LENGTH (0)
31: EXACT LENGTH TABLE (NO)
31: RANGE (NO)
31: ALLOWABLE ENTRY (NO)
31: SUBSTITUTION (NO)
31: JUSTIFICATION (LEFT)
31: FILL CHARACTER ()
31: FLOAT CHARACTER ()
31: DECIMAL POSITIONS (0)
31: SIGN POSITION (LEADING)
31: AUTO CLOSE (YES)
31: ARITHMETIC OPERATION (NO)
31: AUTO FILL-IN (NO)
31: NEXT PAGE NUMBER (YES - PAGE 4)
31: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

31: AUTO-INCREMENT (NO)
31: OUTPUT TO MEMORY CELL (NO)
31: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FIVE

32: TAB STOP (YES)
32: INPUT TYPE (KEYBOARD)
32: CHARACTER TYPE (PRINTABLE)
32: SECURITY FIELD (NO)
32: OVERRIDE ERROR FIELD (NO)
32: MINIMUM LENGTH (0)
32: EXACT LENGTH TABLE (NO)
32: RANGE (NO)
32: ALLOWABLE ENTRY (NO)
32: SUBSTITUTION (NO)
32: JUSTIFICATION (LEFT)
32: FILL CHARACTER ()
32: FLOAT CHARACTER ()
32: DECIMAL POSITIONS (0)
32: SIGN POSITION (LEADING)
32: AUTO CLOSE (YES)
32: ARITHMETIC OPERATION (NO)
32: AUTO FILL-IN (NO)
32: NEXT PAGE NUMBER (YES - PAGE 5)
32: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

32: AUTO-INCREMENT (NO)
32: OUTPUT TO MEMORY CELL (NO)
32: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SIX

BIOFORM-04

33: TAB STOP (YES)
33: INPUT TYPE (KEYBOARD)
33: CHARACTER TYPE (PRINTABLE)
33: SECURITY FIELD (NO)
33: OVERRIDE ERROR FIELD (NO)
33: MINIMUM LENGTH (0)
33: EXACT LENGTH TABLE (NO)
33: RANGE (NO)
33: ALLOWABLE ENTRY (NO)
33: SUBSTITUTION (NO)
33: JUSTIFICATION (LEFT)
33: FILL CHARACTER ()
33: FLOAT CHARACTER ()
33: DECIMAL POSITIONS (0)
33: SIGN POSITION (LEADING)
33: AUTO CLOSE (YES)
33: ARITHMETIC OPERATION (NO)
33: AUTO FILL-IN (NO)
33: NEXT PAGE NUMBER (YES - PAGE 6)
33: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

33: AUTO-INCREMENT (NO)
33: OUTPUT TO MEMORY CELL (NO)
33: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SEVEN

34: TAB STOP (YES)
34: INPUT TYPE (KEYBOARD)
34: CHARACTER TYPE (PRINTABLE)
34: SECURITY FIELD (NO)
34: OVERRIDE ERROR FIELD (NO)
34: MINIMUM LENGTH (0)
34: EXACT LENGTH TABLE (NO)
34: RANGE (NO)
34: ALLOWABLE ENTRY (NO)
34: SUBSTITUTION (NO)
34: JUSTIFICATION (LEFT)
34: FILL CHARACTER ()
34: FLOAT CHARACTER ()
34: DECIMAL POSITIONS (0)
34: SIGN POSITION (LEADING)
34: AUTO CLOSE (YES)
34: ARITHMETIC OPERATION (NO)
34: AUTO FILL-IN (NO)
34: NEXT PAGE NUMBER (YES - PAGE 7)
34: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

34: AUTO-INCREMENT (NO)
34: OUTPUT TO MEMORY CELL (NO)
34: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
EIGHT

BIOFROM-04

35: TAB STOP (YES)
35: INPUT TYPE (KEYBOARD)
35: CHARACTER TYPE (PRINTABLE)
35: SECURITY FIELD (NO)
35: OVERRIDE ERROR FIELD (NO)
35: MINIMUM LENGTH (0)
35: EXACT LENGTH TABLE (NO)
35: RANGE (NO)
35: ALLOWABLE ENTRY (NO)
35: SUBSTITUTION (NO)
35: JUSTIFICATION (LEFT)
35: FILL CHARACTER ()
35: FLOAT CHARACTER ()
35: DECIMAL POSITIONS (0)
35: SIGN POSITION (LEADING)
35: AUTO CLOSE (YES)
35: ARITHMETIC OPERATION (NO)
35: AUTO FILL-IN (NO)
35: NEXT PAGE NUMBER (NO)
35: BRANCHING (NO)

35: AUTO-INCREMENT (NO)
35: OUTPUT TO MEMORY CELL (NO)
35: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
NINE

36: TAB STOP (YES)
36: INPUT TYPE (KEYBOARD)
36: CHARACTER TYPE (PRINTABLE)
36: SECURITY FIELD (NO)
36: OVERRIDE ERROR FIELD (NO)
36: MINIMUM LENGTH (0)
36: EXACT LENGTH TABLE (NO)
36: RANGE (NO)
36: ALLOWABLE ENTRY (NO)
36: SUBSTITUTION (NO)
36: JUSTIFICATION (LEFT)
36: FILL CHARACTER ()
36: FLOAT CHARACTER ()
36: DECIMAL POSITIONS (0)
36: SIGN POSITION (LEADING)
36: AUTO CLOSE (YES)
36: ARITHMETIC OPERATION (NO)
36: AUTO FILL-IN (NO)
36: NEXT PAGE NUMBER (YES - PAGE 8)
36: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

36: AUTO-INCREMENT (NO)
36: OUTPUT TO MEMORY CELL (NO)
36: OUTPUT TO DISKETTE (NO)

LAYOUT FILE

FOR PAGE 05

AGE << DISTANCE TO EDGE <<< MARGINAL INCREMENT <<<

#1	<<<	<<<	#2	<<<	<<<	#3	<<<	<<<	EOP	<
#4	<<<	<<<	#5	<<<	<<<	#6	<<<	<<<	EOP	<
#7	<<<	<<<	#8	<<<	<<<	#9	<<<	<<<	EOP	<
#10	<<<	<<<	#11	<<<	<<<	#12	<<<	<<<	EOP	<
#13	<<<	<<<	#14	<<<	<<<	#15	<<<	<<<	EOP	<
#16	<<<	<<<	#17	<<<	<<<	#18	<<<	<<<	EOP	<
#19	<<<	<<<	#20	<<<	<<<	#21	<<<	<<<	EOP	<
#22	<<<	<<<	#23	<<<	<<<	#24	<<<	<<<	EOP	<
#25	<<<	<<<	#26	<<<	<<<	#27	<<<	<<<	EOP	<
#28	<<<	<<<	#29	<<<	<<<	#30	<<<	<<<	EOP	<

```

NUMBER OF SPANNING MARKS <<      FILL <<<
-----LOAD THE FOLLOWING RECORD TYPE-CHOOSE WITH AN 'X'-----
ONE <  TWO <  THREE <  FOUR <  FIVE <  SIX <  SEVEN <  EIGHT <  NINE <

```


BIOFORM-05 ATTRIBUTES

ACTION FIELD

TAB STOP (YES)
 1: INPUT TYPE (KEYBOARD-CONSTANT: 1)
 1: CHARACTER TYPE (ALPHA)
 1: SECURITY FIELD (NO)
 1: OVERRIDE ERROR FIELD (NO)
 1: MINIMUM LENGTH (0)
 1: EXACT LENGTH TABLE (NO)
 1: RANGE (NO)
 1: ALLOWABLE ENTRY (YES:
 DRIVE: 1 FILE: ACTION)
 1: SUBSTITUTION (NO)
 1: JUSTIFICATION (LEFT)
 1: FILL CHARACTER ()
 1: FLOAT CHARACTER ()
 1: DECIMAL POSITIONS (0)
 1: SIGN POSITION (LEADING)
 1: AUTO CLOSE (YES)
 1: ARITHMETIC OPERATION (NO)
 1: AUTO FILL-IN (NO)
 1: NEXT PAGE NUMBER (NO)
 1: BRANCHING (NO)
 1: AUTO-INCREMENT (NO)
 1: OUTPUT TO MEMORY CELL (NO)
 1: OUTPUT TO DISKETTE (YES)

RECORD TYPE

2: TAB STOP (YES)
 2: INPUT TYPE (CONSTANT: 5)
 2: CHARACTER TYPE (PRINTABLE)
 2: SECURITY FIELD (NO)
 2: OVERRIDE ERROR FIELD (NO)
 2: MINIMUM LENGTH (0)
 2: EXACT LENGTH TABLE (NO)
 2: RANGE (NO)
 2: ALLOWABLE ENTRY (NO)
 2: SUBSTITUTION (NO)
 2: JUSTIFICATION (LEFT)
 2: FILL CHARACTER ()
 2: FLOAT CHARACTER ()
 2: DECIMAL POSITIONS (0)
 2: SIGN POSITION (LEADING)
 2: AUTO CLOSE (YES)
 2: ARITHMETIC OPERATION (NO)
 2: AUTO FILL-IN (NO)
 2: NEXT PAGE NUMBER (NO)
 2: BRANCHING (NO)
 2: AUTO-INCREMENT (NO)
 2: OUTPUT TO MEMORY CELL (NO)
 2: OUTPUT TO DISKETTE (YES)

BIOFORM-05

SEQUENCE
NO: YEAR

3: TAB STOP (YES)
3: INPUT TYPE (KEYBOARD-MEMORY CELL # 1)
3: CHARACTER TYPE (DIGIT)
3: SECURITY FIELD (NO)
3: OVERRIDE ERROR FIELD (NO)
3: MINIMUM LENGTH (0)
3: EXACT LENGTH TABLE (YES:
2)
3: RANGE (NO)
3: ALLOWABLE ENTRY (NO)
3: SUBSTITUTION (NO)
3: JUSTIFICATION (LEFT)
3: FILL CHARACTER ()
3: FLOAT CHARACTER ()
3: DECIMAL POSITIONS (0)
3: SIGN POSITION (LEADING)
3: AUTO CLOSE (YES)
3: ARITHMETIC OPERATION (NO)
3: AUTO FILL-IN (NO)
3: NEXT PAGE NUMBER (NO)
3: BRANCHING (NO)
3: AUTO-INCREMENT (NO)
3: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 1)
3: OUTPUT TO DISKETTE (YES)

SEQUENCE
NO: COLLECTION
NO

4: TAB STOP (YES)
4: INPUT TYPE (KEYBOARD-MEMORY CELL # 2)
4: CHARACTER TYPE (DIGIT)
4: SECURITY FIELD (NO)
4: OVERRIDE ERROR FIELD (NO)
4: MINIMUM LENGTH (1)
4: EXACT LENGTH TABLE (NO)
4: RANGE (NO)
4: ALLOWABLE ENTRY (NO)
4: SUBSTITUTION (NO)
4: JUSTIFICATION (RIGHT)
4: FILL CHARACTER (0)
4: FLOAT CHARACTER (0)
4: DECIMAL POSITIONS (0)
4: SIGN POSITION (LEADING)
4: AUTO CLOSE (YES)
4: ARITHMETIC OPERATION (NO)
4: AUTO FILL-IN (NO)
4: NEXT PAGE NUMBER (NO)
4: BRANCHING (NO)
4: AUTO-INCREMENT (NO)
4: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 2)
4: OUTPUT TO DISKETTE (YES)

BIOFORM-05

REPLICATE

5: TAB STOP (YES)
 5: INPUT TYPE (KEYBOARD-MEMORY CELL # 3)
 5: CHARACTER TYPE (DIGIT)
 5: SECURITY FIELD (NO)
 5: OVERRIDE ERROR FIELD (NO)
 5: MINIMUM LENGTH (1)
 5: EXACT LENGTH TABLE (NO)
 5: RANGE (NO)
 5: ALLOWABLE ENTRY (NO)
 5: SUBSTITUTION (NO)
 5: JUSTIFICATION (RIGHT)
 5: FILL CHARACTER ()
 5: FLOAT CHARACTER (0)
 5: DECIMAL POSITIONS (0)
 5: SIGN POSITION (LEADING)
 5: AUTO CLOSE (YES)
 5: ARITHMETIC OPERATION (NO)
 5: AUTO FILL-IN (NO)
 5: NEXT PAGE NUMBER (NO)
 5: BRANCHING (NO)
 5: AUTO-INCREMENT (NO)
 5: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 3)
 5: OUTPUT TO DISKETTE (YES)

SPECIES

6: TAB STOP (YES)
 6: INPUT TYPE (KEYBOARD-MEMORY CELL # 4)
 6: CHARACTER TYPE (DIGIT)
 6: SECURITY FIELD (NO)
 6: OVERRIDE ERROR FIELD (NO)
 6: MINIMUM LENGTH (0)
 6: EXACT LENGTH TABLE (YES:
 10)
 6: RANGE (NO)
 6: ALLOWABLE ENTRY (NO)
 6: SUBSTITUTION (NO)
 6: JUSTIFICATION (LEFT)
 6: FILL CHARACTER ()
 6: FLOAT CHARACTER ()
 6: DECIMAL POSITIONS (0)
 6: SIGN POSITION (LEADING)
 6: AUTO CLOSE (YES)
 6: ARITHMETIC OPERATION (NO)
 6: AUTO FILL-IN (NO)
 6: NEXT PAGE NUMBER (NO)
 6: BRANCHING (NO)
 6: AUTO-INCREMENT (NO)
 6: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 4)
 6: OUTPUT TO DISKETTE (YES)

BIOFORM-05

STATUS

7: TAB STOP (YES)
 7: INPUT TYPE (KEYBOARD-MEMORY CELL # 5)
 7: CHARACTER TYPE (DIGIT)
 7: SECURITY FIELD (NO)
 7: OVERRIDE ERROR FIELD (NO)
 7: MINIMUM LENGTH (1)
 7: EXACT LENGTH TABLE (NO)
 7: RANGE (NO)
 7: ALLOWABLE ENTRY (NO)
 7: SUBSTITUTION (NO)
 7: JUSTIFICATION (LEFT)
 7: FILL CHARACTER ()
 7: FLOAT CHARACTER ()
 7: DECIMAL POSITIONS (0)
 7: SIGN POSITION (LEADING)
 7: AUTO CLOSE (YES)
 7: ARITHMETIC OPERATION (NO)
 7: AUTO FILL-IN (NO)
 7: NEXT PAGE NUMBER (NO)
 7: BRANCHING (NO)
 7: AUTO-INCREMENT (NO)
 7: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 5)
 7: OUTPUT TO DISKETTE (YES)

LINE
 NUMBER

8: TAB STOP (YES)
 8: INPUT TYPE (KEYBOARD - MEMORY CELL # 6)
 8: CHARACTER TYPE (DIGIT)
 8: SECURITY FIELD (NO)
 8: OVERRIDE ERROR FIELD (NO)
 8: MINIMUM LENGTH (0)
 8: EXACT LENGTH TABLE (NO)
 8: RANGE (NO)
 8: ALLOWABLE ENTRY (NO)
 8: SUBSTITUTION (NO)
 8: JUSTIFICATION (RIGHT)
 8: FILL CHARACTER (0)
 8: FLOAT CHARACTER (0)
 8: DECIMAL POSITIONS (0)
 8: SIGN POSITION (LEADING)
 8: AUTO CLOSE (YES)
 8: ARITHMETIC OPERATION (NO)
 8: AUTO FILL-IN (NO)
 8: NEXT PAGE NUMBER (NO)
 8: BRANCHING (NO)
 8: AUTO-INCREMENT (NO)
 8: OUTPUT TO MEMORY CELL (NO)
 8: OUTPUT TO DISKETTE (YES)

BIOFORM-05

AGE

9: TAB STOP (YES)
 9: INPUT TYPE (KEYBOARD)
 9: CHARACTER TYPE (DIGIT)
 9: SECURITY FIELD (NO)
 9: OVERRIDE ERROR FIELD (YES)
 9: MINIMUM LENGTH (1)
 9: EXACT LENGTH TABLE (NO)
 9: RANGE (YES: FROM: 0 TO: 30)
 9: ALLOWABLE ENTRY (NO)
 9: SUBSTITUTION (NO)
 9: JUSTIFICATION (RIGHT)
 9: FILL CHARACTER ()
 9: FLOAT CHARACTER (0)
 9: DECIMAL POSITIONS (0)
 9: SIGN POSITION (LEADING)
 9: AUTO CLOSE (YES)
 9: ARITHMETIC OPERATION (NO)
 9: AUTO FILL-IN (NO)
 9: NEXT PAGE NUMBER (NO)
 9: BRANCHING (NO)
 9: AUTO-INCREMENT (NO)
 9: OUTPUT TO MEMORY CELL (NO)
 9: OUTPUT TO DISKETTE (YES)

DISTANCE
 TO
 EDGE

10: TAB STOP (YES)
 10: INPUT TYPE (KEYBOARD)
 10: CHARACTER TYPE (DIGIT)
 10: SECURITY FIELD (NO)
 10: OVERRIDE ERROR FIELD (YES)
 10: MINIMUM LENGTH (1)
 10: EXACT LENGTH TABLE (NO)
 10: RANGE (NO)
 10: ALLOWABLE ENTRY (NO)
 10: SUBSTITUTION (NO)
 10: JUSTIFICATION (RIGHT)
 10: FILL CHARACTER (0)
 10: FLOAT CHARACTER (0)
 10: DECIMAL POSITIONS (0)
 10: SIGN POSITION (LEADING)
 10: AUTO CLOSE (YES)
 10: ARITHMETIC OPERATION (NO)
 10: AUTO FILL-IN (NO)
 10: NEXT PAGE NUMBER (NO)
 10: BRANCHING (NO)
 10: AUTO-INCREMENT (NO)
 10: OUTPUT TO MEMORY CELL (NO)
 10: OUTPUT TO DISKETTE (YES)

BIOFORM-05

MARGINAL
INCREMENT

11: TAB STOP (YES)
11: INPUT TYPE (KEYBOARD)
11: CHARACTER TYPE (DIGIT)
11: SECURITY FIELD (NO)
11: OVERRIDE ERROR FIELD (YES)
11: MINIMUM LENGTH (0)
11: EXACT LENGTH TABLE (NO)
11: RANGE (NO)
11: ALLOWABLE ENTRY (NO)
11: SUBSTITUTION (NO)
11: JUSTIFICATION (RIGHT)
11: FILL CHARACTER ()
11: FLOAT CHARACTER ()
11: DECIMAL POSITIONS (0)
11: SIGN POSITION (LEADING)
11: AUTO CLOSE (YES)
11: ARITHMETIC OPERATION (NO)
11: AUTO FILL-IN (NO)
11: NEXT PAGE NUMBER (NO)
11: BRANCHING (NO)
11: AUTO-INCREMENT (NO)
11: OUTPUT TO MEMORY CELL (NO)
11: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
1

12: TAB STOP (YES)
12: INPUT TYPE (KEYBOARD)
12: CHARACTER TYPE (DIGIT)
12: SECURITY FIELD (NO)
12: OVERRIDE ERROR FIELD (YES)
12: MINIMUM LENGTH (0)
12: EXACT LENGTH TABLE (NO)
12: RANGE (NO)
12: ALLOWABLE ENTRY (NO)
12: SUBSTITUTION (NO)
12: JUSTIFICATION (RIGHT)
12: FILL CHARACTER ()
12: FLOAT CHARACTER ()
12: DECIMAL POSITIONS (0)
12: SIGN POSITION (LEADING)
12: AUTO CLOSE (YES)
12: ARITHMETIC OPERATION (NO)
12: AUTO FILL-IN (NO)
12: NEXT PAGE NUMBER (NO)
12: BRANCHING (NO)
12: AUTO-INCREMENT (NO)
12: OUTPUT TO MEMORY CELL (NO)
12: OUTPUT TO DISKETTE (YES)

BIOFORM-05

DISTANCE
TO
ANNULUS
2

13: TAB STOP (YES)
13: INPUT TYPE (KEYBOARD)
13: CHARACTER TYPE (DIGIT)
13: SECURITY FIELD (NO)
13: OVERRIDE ERROR FIELD (YES)
13: MINIMUM LENGTH (0)
13: EXACT LENGTH TABLE (NO)
13: RANGE (NO)
13: ALLOWABLE ENTRY (NO)
13: SUBSTITUTION (NO)
13: JUSTIFICATION (RIGHT)
13: FILL CHARACTER ()
13: FLOAT CHARACTER ()
13: DECIMAL POSITIONS (0)
13: SIGN POSITION (LEADING)
13: AUTO CLOSE (YES)
13: ARITHMETIC OPERATION (NO)
13: AUTO FILL-IN (NO)
13: NEXT PAGE NUMBER (NO)
13: BRANCHING (NO)
13: AUTO-INCREMENT (NO)
13: OUTPUT TO MEMORY CELL (NO)
13: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
3

14: TAB STOP (YES)
14: INPUT TYPE (KEYBOARD)
14: CHARACTER TYPE (DIGIT)
14: SECURITY FIELD (NO)
14: OVERRIDE ERROR FIELD (YES)
14: MINIMUM LENGTH (0)
14: EXACT LENGTH TABLE (NO)
14: RANGE (NO)
14: ALLOWABLE ENTRY (NO)
14: SUBSTITUTION (NO)
14: JUSTIFICATION (RIGHT)
14: FILL CHARACTER ()
14: FLOAT CHARACTER ()
14: DECIMAL POSITIONS (0)
14: SIGN POSITION (LEADING)
14: AUTO CLOSE (YES)
14: ARITHMETIC OPERATION (NO)
14: AUTO FILL-IN (NO)
14: NEXT PAGE NUMBER (NO)
14: BRANCHING (NO)
14: AUTO-INCREMENT (NO)
14: OUTPUT TO MEMORY CELL (NO)
14: OUTPUT TO DISKETTE (YES)

BIOFORM-05

EOP

15: TAB STOP (YES)
 15: INPUT TYPE (KEYBOARD)
 15: CHARACTER TYPE (PRINTABLE)
 15: SECURITY FIELD (NO)
 15: OVERRIDE ERROR FIELD (NO)
 15: MINIMUM LENGTH (0)
 15: EXACT LENGTH TABLE (NO)
 15: RANGE (NO)
 15: ALLOWABLE ENTRY (NO)
 15: SUBSTITUTION (NO)
 15: JUSTIFICATION (LEFT)
 15: FILL CHARACTER ()
 15: FLOAT CHARACTER ()
 15: DECIMAL POSITIONS (0)
 15: SIGN POSITION (LEADING)
 15: AUTO CLOSE (YES)
 15: ARITHMETIC OPERATION (NO)
 15: AUTO FILL-IN (NO)
 15: NEXT PAGE NUMBER (NO)
 15: BRANCHING (TEST LINE: 23 POSITION: 1:

BRANCH: MINIMUM LENGTH (0)
 BRANCH: MAXIMUM LENGTH (1)
 BRANCH: EXACT LENGTH TABLE (NO)
 BRANCH: RANGE (NO)
 BRANCH: ALLOWABLE ENTRY (YES - RAM:
 X5))

15: AUTO-INCREMENT (NO)
 15: OUTPUT TO MEMORY CELL (NO)
 15: OUTPUT TO DISKETTE (NO)

DISTANCE
 TO
 ANNULUS
 4

16: TAB STOP (YES)
 16: INPUT TYPE (KEYBOARD)
 16: CHARACTER TYPE (DIGIT)
 16: SECURITY FIELD (NO)
 16: OVERRIDE ERROR FIELD (YES)
 16: MINIMUM LENGTH (0)
 16: EXACT LENGTH TABLE (NO)
 16: RANGE (NO)
 16: ALLOWABLE ENTRY (NO)
 16: SUBSTITUTION (NO)
 16: JUSTIFICATION (RIGHT)
 16: FILL CHARACTER ()
 16: FLOAT CHARACTER ()
 16: DECIMAL POSITIONS (0)
 16: SIGN POSITION (LEADING)
 16: AUTO CLOSE (YES)
 16: ARITHMETIC OPERATION (NO)
 16: AUTO FILL-IN (NO)
 16: NEXT PAGE NUMBER (NO)
 16: BRANCHING (NO)
 16: AUTO-INCREMENT (NO)
 16: OUTPUT TO MEMORY CELL (NO)
 16: OUTPUT TO DISKETTE (YES)

BIOFORM-05

DISTANCE
TO
ANNULUS
5

17: TAB STOP (YES)
17: INPUT TYPE (KEYBOARD)
17: CHARACTER TYPE (DIGIT)
17: SECURITY FIELD (NO)
17: OVERRIDE ERROR FIELD (YES)
17: MINIMUM LENGTH (0)
17: EXACT LENGTH TABLE (NO)
17: RANGE (NO)
17: ALLOWABLE ENTRY (NO)
17: SUBSTITUTION (NO)
17: JUSTIFICATION (RIGHT)
17: FILL CHARACTER ()
17: FLOAT CHARACTER ()
17: DECIMAL POSITIONS (0)
17: SIGN POSITION (LEADING)
17: AUTO CLOSE (YES)
17: ARITHMETIC OPERATION (NO)
17: AUTO FILL-IN (NO)
17: NEXT PAGE NUMBER (NO)
17: BRANCHING (NO)
17: AUTO-INCREMENT (NO)
17: OUTPUT TO MEMORY CELL (NO)
17: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
6

18: TAB STOP (YES)
18: INPUT TYPE (KEYBOARD)
18: CHARACTER TYPE (DIGIT)
18: SECURITY FIELD (NO)
18: OVERRIDE ERROR FIELD (YES)
18: MINIMUM LENGTH (0)
18: EXACT LENGTH TABLE (NO)
18: RANGE (NO)
18: ALLOWABLE ENTRY (NO)
18: SUBSTITUTION (NO)
18: JUSTIFICATION (RIGHT)
18: FILL CHARACTER ()
18: FLOAT CHARACTER ()
18: DECIMAL POSITIONS (0)
18: SIGN POSITION (LEADING)
18: AUTO CLOSE (YES)
18: ARITHMETIC OPERATION (NO)
18: AUTO FILL-IN (NO)
18: NEXT PAGE NUMBER (NO)
18: BRANCHING (NO)
18: AUTO-INCREMENT (NO)
18: OUTPUT TO MEMORY CELL (NO)
18: OUTPUT TO DISKETTE (YES)

BIOFORM-05

EOP

19: TAB STOP (YES)
 19: INPUT TYPE (KEYBOARD)
 19: CHARACTER TYPE (PRINTABLE)
 19: SECURITY FIELD (NO)
 19: OVERRIDE ERROR FIELD (NO)
 19: MINIMUM LENGTH (0)
 19: EXACT LENGTH TABLE (NO)
 19: RANGE (NO)
 19: ALLOWABLE ENTRY (NO)
 19: SUBSTITUTION (NO)
 19: JUSTIFICATION (LEFT)
 19: FILL CHARACTER ()
 19: FLOAT CHARACTER ()
 19: DECIMAL POSITIONS (0)
 19: SIGN POSITION (LEADING)
 19: AUTO CLOSE (YES)
 19: ARITHMETIC OPERATION (NO)
 19: AUTO FILL-IN (NO)
 19: NEXT PAGE NUMBER (NO)
 19: BRANCHING (TEST LINE: 23 POSITION: 1:

BRANCH: MINIMUM LENGTH (0)
 BRANCH: MAXIMUM LENGTH (1)
 BRANCH: EXACT LENGTH TABLE (NO)
 BRANCH: RANGE (NO)
 BRANCH: ALLOWABLE ENTRY (YES - RAM:
 X:))

19: AUTO-INCREMENT (NO)
 19: OUTPUT TO MEMORY CELL (NO)
 19: OUTPUT TO DISKETTE (NO)

DISTANCE
 TO
 ANNULUS
 7

20: TAB STOP (YES)
 20: INPUT TYPE (KEYBOARD)
 20: CHARACTER TYPE (DIGIT)
 20: SECURITY FIELD (NO)
 20: OVERRIDE ERROR FIELD (YES)
 20: MINIMUM LENGTH (0)
 20: EXACT LENGTH TABLE (NO)
 20: RANGE (NO)
 20: ALLOWABLE ENTRY (NO)
 20: SUBSTITUTION (NO)
 20: JUSTIFICATION (RIGHT)
 20: FILL CHARACTER ()
 20: FLOAT CHARACTER ()
 20: DECIMAL POSITIONS (0)
 20: SIGN POSITION (LEADING)
 20: AUTO CLOSE (YES)
 20: ARITHMETIC OPERATION (NO)
 20: AUTO FILL-IN (NO)
 20: NEXT PAGE NUMBER (NO)
 20: BRANCHING (NO)
 20: AUTO-INCREMENT (NO)
 20: OUTPUT TO MEMORY CELL (NO)
 20: OUTPUT TO DISKETTE (YES)

BIOFORM-05

DISTANCE
TO
ANNULUS
8

21: TAB STOP (YES)
21: INPUT TYPE (KEYBOARD)
21: CHARACTER TYPE (DIGIT)
21: SECURITY FIELD (NO)
21: OVERRIDE ERROR FIELD (YES)
21: MINIMUM LENGTH (0)
21: EXACT LENGTH TABLE (NO)
21: RANGE (NO)
21: ALLOWABLE ENTRY (NO)
21: SUBSTITUTION (NO)
21: JUSTIFICATION (RIGHT)
21: FILL CHARACTER ()
21: FLOAT CHARACTER ()
21: DECIMAL POSITIONS (0)
21: SIGN POSITION (LEADING)
21: AUTO CLOSE (YES)
21: ARITHMETIC OPERATION (NO)
21: AUTO FILL-IN (NO)
21: NEXT PAGE NUMBER (NO)
21: BRANCHING (NO)
21: AUTO-INCREMENT (NO)
21: OUTPUT TO MEMORY CELL (NO)
21: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
9

22: TAB STOP (YES)
22: INPUT TYPE (KEYBOARD)
22: CHARACTER TYPE (DIGIT)
22: SECURITY FIELD (NO)
22: OVERRIDE ERROR FIELD (YES)
22: MINIMUM LENGTH (0)
22: EXACT LENGTH TABLE (NO)
22: RANGE (NO)
22: ALLOWABLE ENTRY (NO)
22: SUBSTITUTION (NO)
22: JUSTIFICATION (RIGHT)
22: FILL CHARACTER ()
22: FLOAT CHARACTER ()
22: DECIMAL POSITIONS (0)
22: SIGN POSITION (LEADING)
22: AUTO CLOSE (YES)
22: ARITHMETIC OPERATION (NO)
22: AUTO FILL-IN (NO)
22: NEXT PAGE NUMBER (NO)
22: BRANCHING (NO)
22: AUTO-INCREMENT (NO)
22: OUTPUT TO MEMORY CELL (NO)
22: OUTPUT TO DISKETTE (YES)

BIOFORM-05

EOP

23: TAB STOP (YES)
 23: INPUT TYPE (KEYBOARD)
 23: CHARACTER TYPE (PRINTABLE)
 23: SECURITY FIELD (NO)
 23: OVERRIDE ERROR FIELD (NO)
 23: MINIMUM LENGTH (0)
 23: EXACT LENGTH TABLE (NO)
 23: RANGE (NO)
 23: ALLOWABLE ENTRY (NO)
 23: SUBSTITUTION (NO)
 23: JUSTIFICATION (LEFT)
 23: FILL CHARACTER ()
 23: FLOAT CHARACTER ()
 23: DECIMAL POSITIONS (0)
 23: SIGN POSITION (LEADING)
 23: AUTO CLOSE (YES)
 23: ARITHMETIC OPERATION (NO)
 23: AUTO FILL-IN (NO)
 23: NEXT PAGE NUMBER (NO)
 23: BRANCHING (TEST LINE: 23 POSITION: 1:

BRANCH: MINIMUM LENGTH (0)
 BRANCH: MAXIMUM LENGTH (1)
 BRANCH: EXACT LENGTH TABLE (NO)
 BRANCH: RANGE (NO)
 BRANCH: ALLOWABLE ENTRY (YES - RAM:
 X3))

23: AUTO-INCREMENT (NO)
 23: OUTPUT TO MEMORY CELL (NO)
 23: OUTPUT TO DISKETTE (NO)

DISTANCE
 TO
 ANNULUS
 10

24: TAB STOP (YES)
 24: INPUT TYPE (KEYBOARD)
 24: CHARACTER TYPE (DIGIT)
 24: SECURITY FIELD (NO)
 24: OVERRIDE ERROR FIELD (YES)
 24: MINIMUM LENGTH (0)
 24: EXACT LENGTH TABLE (NO)
 24: RANGE (NO)
 24: ALLOWABLE ENTRY (NO)
 24: SUBSTITUTION (NO)
 24: JUSTIFICATION (RIGHT)
 24: FILL CHARACTER ()
 24: FLOAT CHARACTER ()
 24: DECIMAL POSITIONS (0)
 24: SIGN POSITION (LEADING)
 24: AUTO CLOSE (YES)
 24: ARITHMETIC OPERATION (NO)
 24: AUTO FILL-IN (NO)
 24: NEXT PAGE NUMBER (NO)
 24: BRANCHING (NO)
 24: AUTO-INCREMENT (NO)
 24: OUTPUT TO MEMORY CELL (NO)
 24: OUTPUT TO DISKETTE (YES)

BIOFORM-05

DISTANCE
TO
ANNULUS
11

25: TAB STOP (YES)
25: INPUT TYPE (KEYBOARD)
25: CHARACTER TYPE (DIGIT)
25: SECURITY FIELD (NO)
25: OVERRIDE ERROR FIELD (YES)
25: MINIMUM LENGTH (0)
25: EXACT LENGTH TABLE (NO)
25: RANGE (NO)
25: ALLOWABLE ENTRY (NO)
25: SUBSTITUTION (NO)
25: JUSTIFICATION (RIGHT)
25: FILL CHARACTER ()
25: FLOAT CHARACTER ()
25: DECIMAL POSITIONS (0)
25: SIGN POSITION (LEADING)
25: AUTO CLOSE (YES)
25: ARITHMETIC OPERATION (NO)
25: AUTO FILL-IN (NO)
25: NEXT PAGE NUMBER (NO)
25: BRANCHING (NO)
25: AUTO-INCREMENT (NO)
25: OUTPUT TO MEMORY CELL (NO)
25: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
12

26: TAB STOP (YES)
26: INPUT TYPE (KEYBOARD)
26: CHARACTER TYPE (DIGIT)
26: SECURITY FIELD (NO)
26: OVERRIDE ERROR FIELD (YES)
26: MINIMUM LENGTH (0)
26: EXACT LENGTH TABLE (NO)
26: RANGE (NO)
26: ALLOWABLE ENTRY (NO)
26: SUBSTITUTION (NO)
26: JUSTIFICATION (RIGHT)
26: FILL CHARACTER ()
26: FLOAT CHARACTER ()
26: DECIMAL POSITIONS (0)
26: SIGN POSITION (LEADING)
26: AUTO CLOSE (YES)
26: ARITHMETIC OPERATION (NO)
26: AUTO FILL-IN (NO)
26: NEXT PAGE NUMBER (NO)
26: BRANCHING (NO)
26: AUTO-INCREMENT (NO)
26: OUTPUT TO MEMORY CELL (NO)
26: OUTPUT TO DISKETTE (YES)

BIOFORM-05

EOP

27: TAB STOP (YES)
 27: INPUT TYPE (KEYBOARD)
 27: CHARACTER TYPE (PRINTABLE)
 27: SECURITY FIELD (NO)
 27: OVERRIDE ERROR FIELD (NO)
 27: MINIMUM LENGTH (0)
 27: EXACT LENGTH TABLE (NO)
 27: RANGE (NO)
 27: ALLOWABLE ENTRY (NO)
 27: SUBSTITUTION (NO)
 27: JUSTIFICATION (LEFT)
 27: FILL CHARACTER ()
 27: FLOAT CHARACTER ()
 27: DECIMAL POSITIONS (0)
 27: SIGN POSITION (LEADING)
 27: AUTO CLOSE (YES)
 27: ARITHMETIC OPERATION (NO)
 27: AUTO FILL-IN (NO)
 27: NEXT PAGE NUMBER (NO)
 27: BRANCHING (TEST LINE: 23 POSITION: 1:

BRANCH: MINIMUM LENGTH (0)
 BRANCH: MAXIMUM LENGTH (1)
 BRANCH: EXACT LENGTH TABLE (NO)
 BRANCH: RANGE (NO)
 BRANCH: ALLOWABLE ENTRY (YES - RAM:
 X:))

27: AUTO-INCREMENT (NO)
 27: OUTPUT TO MEMORY CELL (NO)
 27: OUTPUT TO DISKETTE (NO)

DISTANCE
 TO
 ANNULUS
 13

28: TAB STOP (YES)
 28: INPUT TYPE (KEYBOARD)
 28: CHARACTER TYPE (DIGIT)
 28: SECURITY FIELD (NO)
 28: OVERRIDE ERROR FIELD (YES)
 28: MINIMUM LENGTH (0)
 28: EXACT LENGTH TABLE (NO)
 28: RANGE (NO)
 28: ALLOWABLE ENTRY (NO)
 28: SUBSTITUTION (NO)
 28: JUSTIFICATION (RIGHT)
 28: FILL CHARACTER ()
 28: FLOAT CHARACTER ()
 28: DECIMAL POSITIONS (0)
 28: SIGN POSITION (LEADING)
 28: AUTO CLOSE (YES)
 28: ARITHMETIC OPERATION (NO)
 28: AUTO FILL-IN (NO)
 28: NEXT PAGE NUMBER (NO)
 28: BRANCHING (NO)
 28: AUTO-INCREMENT (NO)
 28: OUTPUT TO MEMORY CELL (NO)
 28: OUTPUT TO DISKETTE (YES)

BIOFORM-05

DISTANCE
TO
ANNULUS
14

29: TAB STOP (YES)
29: INPUT TYPE (KEYBOARD)
29: CHARACTER TYPE (DIGIT)
29: SECURITY FIELD (NO)
29: OVERRIDE ERROR FIELD (YES)
29: MINIMUM LENGTH (0)
29: EXACT LENGTH TABLE (NO)
29: RANGE (NO)
29: ALLOWABLE ENTRY (NO)
29: SUBSTITUTION (NO)
29: JUSTIFICATION (RIGHT)
29: FILL CHARACTER ()
29: FLOAT CHARACTER ()
29: DECIMAL POSITIONS (0)
29: SIGN POSITION (LEADING)
29: AUTO CLOSE (YES)
29: ARITHMETIC OPERATION (NO)
29: AUTO FILL-IN (NO)
29: NEXT PAGE NUMBER (NO)
29: BRANCHING (NO)
29: AUTO-INCREMENT (NO)
29: OUTPUT TO MEMORY CELL (NO)
29: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
15

30: TAB STOP (YES)
30: INPUT TYPE (KEYBOARD)
30: CHARACTER TYPE (DIGIT)
30: SECURITY FIELD (NO)
30: OVERRIDE ERROR FIELD (YES)
30: MINIMUM LENGTH (0)
30: EXACT LENGTH TABLE (NO)
30: RANGE (NO)
30: ALLOWABLE ENTRY (NO)
30: SUBSTITUTION (NO)
30: JUSTIFICATION (RIGHT)
30: FILL CHARACTER ()
30: FLOAT CHARACTER ()
30: DECIMAL POSITIONS (0)
30: SIGN POSITION (LEADING)
30: AUTO CLOSE (YES)
30: ARITHMETIC OPERATION (NO)
30: AUTO FILL-IN (NO)
30: NEXT PAGE NUMBER (NO)
30: BRANCHING (NO)
30: AUTO-INCREMENT (NO)
30: OUTPUT TO MEMORY CELL (NO)
30: OUTPUT TO DISKETTE (YES)

BIOFORM-05

EOP

31: TAB STOP (YES)
 31: INPUT TYPE (KEYBOARD)
 31: CHARACTER TYPE (PRINTABLE)
 31: SECURITY FIELD (NO)
 31: OVERRIDE ERROR FIELD (NO)
 31: MINIMUM LENGTH (0)
 31: EXACT LENGTH TABLE (NO)
 31: RANGE (NO)
 31: ALLOWABLE ENTRY (NO)
 31: SUBSTITUTION (NO)
 31: JUSTIFICATION (LEFT)
 31: FILL CHARACTER ()
 31: FLOAT CHARACTER ()
 31: DECIMAL POSITIONS (0)
 31: SIGN POSITION (LEADING)
 31: AUTO CLOSE (YES)
 31: ARITHMETIC OPERATION (NO)
 31: AUTO FILL-IN (NO)
 31: NEXT PAGE NUMBER (NO)
 31: BRANCHING (TEST LINE: 23 POSITION: 1:

BRANCH: MINIMUM LENGTH (0)
 BRANCH: MAXIMUM LENGTH (1)
 BRANCH: EXACT LENGTH TABLE (NO)
 BRANCH: RANGE (NO)
 BRANCH: ALLOWABLE ENTRY (YES - RAM:
 X:))

31: AUTO-INCREMENT (NO)
 31: OUTPUT TO MEMORY CELL (NO)
 31: OUTPUT TO DISKETTE (NO)

DISTANCE
 TO
 ANNULUS
 16

32: TAB STOP (YES)
 32: INPUT TYPE (KEYBOARD)
 32: CHARACTER TYPE (DIGIT)
 32: SECURITY FIELD (NO)
 32: OVERRIDE ERROR FIELD (YES)
 32: MINIMUM LENGTH (0)
 32: EXACT LENGTH TABLE (NO)
 32: RANGE (NO)
 32: ALLOWABLE ENTRY (NO)
 32: SUBSTITUTION (NO)
 32: JUSTIFICATION (RIGHT)
 32: FILL CHARACTER ()
 32: FLOAT CHARACTER ()
 32: DECIMAL POSITIONS (0)
 32: SIGN POSITION (LEADING)
 32: AUTO CLOSE (YES)
 32: ARITHMETIC OPERATION (NO)
 32: AUTO FILL-IN (NO)
 32: NEXT PAGE NUMBER (NO)
 32: BRANCHING (NO)
 32: AUTO-INCREMENT (NO)
 32: OUTPUT TO MEMORY CELL (NO)
 32: OUTPUT TO DISKETTE (YES)

BIOFORM-05

DISTANCE
TO
ANNULUS
17

33: TAB STOP (YES)
33: INPUT TYPE (KEYBOARD)
33: CHARACTER TYPE (DIGIT)
33: SECURITY FIELD (NO)
33: OVERRIDE ERROR FIELD (YES)
33: MINIMUM LENGTH (0)
33: EXACT LENGTH TABLE (NO)
33: RANGE (NO)
33: ALLOWABLE ENTRY (NO)
33: SUBSTITUTION (NO)
33: JUSTIFICATION (RIGHT)
33: FILL CHARACTER ()
33: FLOAT CHARACTER ()
33: DECIMAL POSITIONS (0)
33: SIGN POSITION (LEADING)
33: AUTO CLOSE (YES)
33: ARITHMETIC OPERATION (NO)
33: AUTO FILL-IN (NO)
33: NEXT PAGE NUMBER (NO)
33: BRANCHING (NO)
33: AUTO-INCREMENT (NO)
33: OUTPUT TO MEMORY CELL (NO)
33: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
18

34: TAB STOP (YES)
34: INPUT TYPE (KEYBOARD)
34: CHARACTER TYPE (DIGIT)
34: SECURITY FIELD (NO)
34: OVERRIDE ERROR FIELD (YES)
34: MINIMUM LENGTH (0)
34: EXACT LENGTH TABLE (NO)
34: RANGE (NO)
34: ALLOWABLE ENTRY (NO)
34: SUBSTITUTION (NO)
34: JUSTIFICATION (RIGHT)
34: FILL CHARACTER ()
34: FLOAT CHARACTER ()
34: DECIMAL POSITIONS (0)
34: SIGN POSITION (LEADING)
34: AUTO CLOSE (YES)
34: ARITHMETIC OPERATION (NO)
34: AUTO FILL-IN (NO)
34: NEXT PAGE NUMBER (NO)
34: BRANCHING (NO)
34: AUTO-INCREMENT (NO)
34: OUTPUT TO MEMORY CELL (NO)
34: OUTPUT TO DISKETTE (YES)

BIOFORM-05

DISTANCE
TO
ANNULUS
19

35: TAB STOP (YES)
35: INPUT TYPE (KEYBOARD)
35: CHARACTER TYPE (DIGIT)
35: SECURITY FIELD (NO)
35: OVERRIDE ERROR FIELD (YES)
35: MINIMUM LENGTH (0)
35: EXACT LENGTH TABLE (NO)
35: RANGE (NO)
35: ALLOWABLE ENTRY (NO)
35: SUBSTITUTION (NO)
35: JUSTIFICATION (RIGHT)
35: FILL CHARACTER ()
35: FLOAT CHARACTER ()
35: DECIMAL POSITIONS (0)
35: SIGN POSITION (LEADING)
35: AUTO CLOSE (YES)
35: ARITHMETIC OPERATION (NO)
35: AUTO FILL-IN (NO)
35: NEXT PAGE NUMBER (NO)
35: BRANCHING (NO)
35: AUTO-INCREMENT (NO)
35: OUTPUT TO MEMORY CELL (NO)
35: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
20

36: TAB STOP (YES)
36: INPUT TYPE (KEYBOARD)
36: CHARACTER TYPE (DIGIT)
36: SECURITY FIELD (NO)
36: OVERRIDE ERROR FIELD (YES)
36: MINIMUM LENGTH (0)
36: EXACT LENGTH TABLE (NO)
36: RANGE (NO)
36: ALLOWABLE ENTRY (NO)
36: SUBSTITUTION (NO)
36: JUSTIFICATION (RIGHT)
36: FILL CHARACTER ()
36: FLOAT CHARACTER ()
36: DECIMAL POSITIONS (0)
36: SIGN POSITION (LEADING)
36: AUTO CLOSE (YES)
36: ARITHMETIC OPERATION (NO)
36: AUTO FILL-IN (NO)
36: NEXT PAGE NUMBER (NO)
36: BRANCHING (NO)
36: AUTO-INCREMENT (NO)
36: OUTPUT TO MEMORY CELL (NO)
36: OUTPUT TO DISKETTE (YES)

BIOFORM-05

DISTANCE
TO
ANNULUS
21

37: TAB STOP (YES)
37: INPUT TYPE (KEYBOARD)
37: CHARACTER TYPE (DIGIT)
37: SECURITY FIELD (NO)
37: OVERRIDE ERROR FIELD (YES)
37: MINIMUM LENGTH (0)
37: EXACT LENGTH TABLE (NO)
37: RANGE (NO)
37: ALLOWABLE ENTRY (NO)
37: SUBSTITUTION (NO)
37: JUSTIFICATION (RIGHT)
37: FILL CHARACTER ()
37: FLOAT CHARACTER ()
37: DECIMAL POSITIONS (0)
37: SIGN POSITION (LEADING)
37: AUTO CLOSE (YES)
37: ARITHMETIC OPERATION (NO)
37: AUTO FILL-IN (NO)
37: NEXT PAGE NUMBER (NO)
37: BRANCHING (NO)
37: AUTO-INCREMENT (NO)
37: OUTPUT TO MEMORY CELL (NO)
37: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
22

38: TAB STOP (YES)
38: INPUT TYPE (KEYBOARD)
38: CHARACTER TYPE (DIGIT)
38: SECURITY FIELD (NO)
38: OVERRIDE ERROR FIELD (YES)
38: MINIMUM LENGTH (0)
38: EXACT LENGTH TABLE (NO)
38: RANGE (NO)
38: ALLOWABLE ENTRY (NO)
38: SUBSTITUTION (NO)
38: JUSTIFICATION (RIGHT)
38: FILL CHARACTER ()
38: FLOAT CHARACTER ()
38: DECIMAL POSITIONS (0)
38: SIGN POSITION (LEADING)
38: AUTO CLOSE (YES)
38: ARITHMETIC OPERATION (NO)
38: AUTO FILL-IN (NO)
38: NEXT PAGE NUMBER (NO)
38: BRANCHING (NO)
38: AUTO-INCREMENT (NO)
38: OUTPUT TO MEMORY CELL (NO)
38: OUTPUT TO DISKETTE (YES)

BIOFORM-05

DISTANCE
TO
ANNULUS
23

39: TAB STOP (YES)
39: INPUT TYPE (KEYBOARD)
39: CHARACTER TYPE (DIGIT)
39: SECURITY FIELD (NO)
39: OVERRIDE ERROR FIELD (YES)
39: MINIMUM LENGTH (0)
39: EXACT LENGTH TABLE (NO)
39: RANGE (NO)
39: ALLOWABLE ENTRY (NO)
39: SUBSTITUTION (NO)
39: JUSTIFICATION (RIGHT)
39: FILL CHARACTER ()
39: FLOAT CHARACTER ()
39: DECIMAL POSITIONS (0)
39: SIGN POSITION (LEADING)
39: AUTO CLOSE (YES)
39: ARITHMETIC OPERATION (NO)
39: AUTO FILL-IN (NO)
39: NEXT PAGE NUMBER (NO)
39: BRANCHING (NO)
39: AUTO-INCREMENT (NO)
39: OUTPUT TO MEMORY CELL (NO)
39: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
24

40: TAB STOP (YES)
40: INPUT TYPE (KEYBOARD)
40: CHARACTER TYPE (DIGIT)
40: SECURITY FIELD (NO)
40: OVERRIDE ERROR FIELD (YES)
40: MINIMUM LENGTH (0)
40: EXACT LENGTH TABLE (NO)
40: RANGE (NO)
40: ALLOWABLE ENTRY (NO)
40: SUBSTITUTION (NO)
40: JUSTIFICATION (RIGHT)
40: FILL CHARACTER ()
40: FLOAT CHARACTER ()
40: DECIMAL POSITIONS (0)
40: SIGN POSITION (LEADING)
40: AUTO CLOSE (YES)
40: ARITHMETIC OPERATION (NO)
40: AUTO FILL-IN (NO)
40: NEXT PAGE NUMBER (NO)
40: BRANCHING (NO)
40: AUTO-INCREMENT (NO)
40: OUTPUT TO MEMORY CELL (NO)
40: OUTPUT TO DISKETTE (YES)

BIOFORM-05

DISTANCE
TO
ANNULUS
25

41: TAB STOP (YES)
41: INPUT TYPE (KEYBOARD)
41: CHARACTER TYPE (DIGIT)
41: SECURITY FIELD (NO)
41: OVERRIDE ERROR FIELD (YES)
41: MINIMUM LENGTH (0)
41: EXACT LENGTH TABLE (NO)
41: RANGE (NO)
41: ALLOWABLE ENTRY (NO)
41: SUBSTITUTION (NO)
41: JUSTIFICATION (RIGHT)
41: FILL CHARACTER ()
41: FLOAT CHARACTER ()
41: DECIMAL POSITIONS (0)
41: SIGN POSITION (LEADING)
41: AUTO CLOSE (YES)
41: ARITHMETIC OPERATION (NO)
41: AUTO FILL-IN (NO)
41: NEXT PAGE NUMBER (NO)
41: BRANCHING (NO)
41: AUTO-INCREMENT (NO)
41: OUTPUT TO MEMORY CELL (NO)
41: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
26

42: TAB STOP (YES)
42: INPUT TYPE (KEYBOARD)
42: CHARACTER TYPE (DIGIT)
42: SECURITY FIELD (NO)
42: OVERRIDE ERROR FIELD (YES)
42: MINIMUM LENGTH (0)
42: EXACT LENGTH TABLE (NO)
42: RANGE (NO)
42: ALLOWABLE ENTRY (NO)
42: SUBSTITUTION (NO)
42: JUSTIFICATION (RIGHT)
42: FILL CHARACTER ()
42: FLOAT CHARACTER ()
42: DECIMAL POSITIONS (0)
42: SIGN POSITION (LEADING)
42: AUTO CLOSE (YES)
42: ARITHMETIC OPERATION (NO)
42: AUTO FILL-IN (NO)
42: NEXT PAGE NUMBER (NO)
42: BRANCHING (NO)
42: AUTO-INCREMENT (NO)
42: OUTPUT TO MEMORY CELL (NO)
42: OUTPUT TO DISKETTE (YES)

BIOFORM-05

DISTANCE
TO
ANNULUS
27

43: TAB STOP (YES)
43: INPUT TYPE (KEYBOARD)
43: CHARACTER TYPE (DIGIT)
43: SECURITY FIELD (NO)
43: OVERRIDE ERROR FIELD (YES)
43: MINIMUM LENGTH (0)
43: EXACT LENGTH TABLE (NO)
43: RANGE (NO)
43: ALLOWABLE ENTRY (NO)
43: SUBSTITUTION (NO)
43: JUSTIFICATION (RIGHT)
43: FILL CHARACTER ()
43: FLOAT CHARACTER ()
43: DECIMAL POSITIONS (0)
43: SIGN POSITION (LEADING)
43: AUTO CLOSE (YES)
43: ARITHMETIC OPERATION (NO)
43: AUTO FILL-IN (NO)
43: NEXT PAGE NUMBER (NO)
43: BRANCHING (NO)
43: AUTO-INCREMENT (NO)
43: OUTPUT TO MEMORY CELL (NO)
43: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
28

44: TAB STOP (YES)
44: INPUT TYPE (KEYBOARD)
44: CHARACTER TYPE (DIGIT)
44: SECURITY FIELD (NO)
44: OVERRIDE ERROR FIELD (YES)
44: MINIMUM LENGTH (0)
44: EXACT LENGTH TABLE (NO)
44: RANGE (NO)
44: ALLOWABLE ENTRY (NO)
44: SUBSTITUTION (NO)
44: JUSTIFICATION (RIGHT)
44: FILL CHARACTER ()
44: FLOAT CHARACTER ()
44: DECIMAL POSITIONS (0)
44: SIGN POSITION (LEADING)
44: AUTO CLOSE (YES)
44: ARITHMETIC OPERATION (NO)
44: AUTO FILL-IN (NO)
44: NEXT PAGE NUMBER (NO)
44: BRANCHING (NO)
44: AUTO-INCREMENT (NO)
44: OUTPUT TO MEMORY CELL (NO)
44: OUTPUT TO DISKETTE (YES)

BIOFORM-05

DISTANCE
TO
ANNULUS
29

45: TAB STOP (YES)
45: INPUT TYPE (KEYBOARD)
45: CHARACTER TYPE (DIGIT)
45: SECURITY FIELD (NO)
45: OVERRIDE ERROR FIELD (YES)
45: MINIMUM LENGTH (0)
45: EXACT LENGTH TABLE (NO)
45: RANGE (NO)
45: ALLOWABLE ENTRY (NO)
45: SUBSTITUTION (NO)
45: JUSTIFICATION (RIGHT)
45: FILL CHARACTER ()
45: FLOAT CHARACTER ()
45: DECIMAL POSITIONS (0)
45: SIGN POSITION (LEADING)
45: AUTO CLOSE (YES)
45: ARITHMETIC OPERATION (NO)
45: AUTO FILL-IN (NO)
45: NEXT PAGE NUMBER (NO)
45: BRANCHING (NO)
45: AUTO-INCREMENT (NO)
45: OUTPUT TO MEMORY CELL (NO)
45: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
30

46: TAB STOP (YES)
46: INPUT TYPE (KEYBOARD)
46: CHARACTER TYPE (DIGIT)
46: SECURITY FIELD (NO)
46: OVERRIDE ERROR FIELD (YES)
46: MINIMUM LENGTH (0)
46: EXACT LENGTH TABLE (NO)
46: RANGE (NO)
46: ALLOWABLE ENTRY (NO)
46: SUBSTITUTION (NO)
46: JUSTIFICATION (RIGHT)
46: FILL CHARACTER ()
46: FLOAT CHARACTER ()
46: DECIMAL POSITIONS (0)
46: SIGN POSITION (LEADING)
46: AUTO CLOSE (YES)
46: ARITHMETIC OPERATION (NO)
46: AUTO FILL-IN (NO)
46: NEXT PAGE NUMBER (NO)
46: BRANCHING (NO)
46: AUTO-INCREMENT (NO)
46: OUTPUT TO MEMORY CELL (NO)
46: OUTPUT TO DISKETTE (YES)

BIOFORM-05

NUMBER OF
SPAWNING
MARKS

47: TAB STOP (YES)
47: INPUT TYPE (KEYBOARD)
47: CHARACTER TYPE (DIGIT)
47: SECURITY FIELD (NO)
47: OVERRIDE ERROR FIELD (YES)
47: MINIMUM LENGTH (0)
47: EXACT LENGTH TABLE (NO)
47: RANGE (NO)
47: ALLOWABLE ENTRY (NO)
47: SUBSTITUTION (NO)
47: JUSTIFICATION (RIGHT)
47: FILL CHARACTER ()
47: FLOAT CHARACTER ()
47: DECIMAL POSITIONS (0)
47: SIGN POSITION (LEADING)
47: AUTO CLOSE (YES)
47: ARITHMETIC OPERATION (NO)
47: AUTO FILL-IN (NO)
47: NEXT PAGE NUMBER (NO)
47: BRANCHING (NO)
47: AUTO-INCREMENT (NO)
47: OUTPUT TO MEMORY CELL (NO)
47: OUTPUT TO DISKETTE (YES)

FILL

48: TAB STOP (YES)
48: INPUT TYPE (CONSTANT:)
48: CHARACTER TYPE (PRINTABLE)
48: SECURITY FIELD (NO)
48: OVERRIDE ERROR FIELD (NO)
48: MINIMUM LENGTH (0)
48: EXACT LENGTH TABLE (NO)
48: RANGE (NO)
48: ALLOWABLE ENTRY (NO)
48: SUBSTITUTION (NO)
48: JUSTIFICATION (LEFT)
48: FILL CHARACTER ()
48: FLOAT CHARACTER ()
48: DECIMAL POSITIONS (0)
48: SIGN POSITION (LEADING)
48: AUTO CLOSE (YES)
48: ARITHMETIC OPERATION (NO)
48: AUTO FILL-IN (NO)
48: NEXT PAGE NUMBER (NO)
48: BRANCHING (NO)

48: AUTO-INCREMENT (NO)
48: OUTPUT TO MEMORY CELL (NO)
48: OUTPUT TO DISKETTE (YES)

LOAD
RECORD TYPE:
ONE

BIOFORM-05

49: TAB STOP (YES)
49: INPUT TYPE (KEYBOARD)
49: CHARACTER TYPE (PRINTABLE)
49: SECURITY FIELD (NO)
49: OVERRIDE ERROR FIELD (NO)
49: MINIMUM LENGTH (0)
49: EXACT LENGTH TABLE (NO)
49: RANGE (NO)
49: ALLOWABLE ENTRY (NO)
49: SUBSTITUTION (NO)
49: JUSTIFICATION (LEFT)
49: FILL CHARACTER ()
49: FLOAT CHARACTER ()
49: DECIMAL POSITIONS (0)
49: SIGN POSITION (LEADING)
49: AUTO CLOSE (YES)
49: ARITHMETIC OPERATION (NO)
49: AUTO FILL-IN (NO)
49: NEXT PAGE NUMBER (YES - PAGE 1)
49: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

49: AUTO-INCREMENT (NO)
49: OUTPUT TO MEMORY CELL (NO)
49: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE: 2
TWO

50: TAB STOP (YES)
50: INPUT TYPE (KEYBOARD)
50: CHARACTER TYPE (PRINTABLE)
50: SECURITY FIELD (NO)
50: OVERRIDE ERROR FIELD (NO)
50: MINIMUM LENGTH (0)
50: EXACT LENGTH TABLE (NO)
50: RANGE (NO)
50: ALLOWABLE ENTRY (NO)
50: SUBSTITUTION (NO)
50: JUSTIFICATION (LEFT)
50: FILL CHARACTER ()
50: FLOAT CHARACTER ()
50: DECIMAL POSITIONS (0)
50: SIGN POSITION (LEADING)
50: AUTO CLOSE (YES)
50: ARITHMETIC OPERATION (NO)
50: AUTO FILL-IN (NO)
50: NEXT PAGE NUMBER (YES - PAGE 2)
50: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

50: AUTO-INCREMENT (NO)
50: OUTPUT TO MEMORY CELL (NO)
50: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
THREE

BIOFORM-05

51: TAB STOP (YES)
51: INPUT TYPE (KEYBOARD)
51: CHARACTER TYPE (PRINTABLE)
51: SECURITY FIELD (NO)
51: OVERRIDE ERROR FIELD (NO)
51: MINIMUM LENGTH (0)
51: EXACT LENGTH TABLE (NO)
51: RANGE (NO)
51: ALLOWABLE ENTRY (NO)
51: SUBSTITUTION (NO)
51: JUSTIFICATION (LEFT)
51: FILL CHARACTER ()
51: FLOAT CHARACTER ()
51: DECIMAL POSITIONS (0)
51: SIGN POSITION (LEADING)
51: AUTO CLOSE (YES)
51: ARITHMETIC OPERATION (NO)
51: AUTO FILL-IN (NO)
51: NEXT PAGE NUMBER (YES - PAGE 3)
51: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X;))

51: AUTO-INCREMENT (NO)
51: OUTPUT TO MEMORY CELL (NO)
51: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE: 4
FOUR

52: TAB STOP (YES)
52: INPUT TYPE (KEYBOARD)
52: CHARACTER TYPE (PRINTABLE)
52: SECURITY FIELD (NO)
52: OVERRIDE ERROR FIELD (NO)
52: MINIMUM LENGTH (0)
52: EXACT LENGTH TABLE (NO)
52: RANGE (NO)
52: ALLOWABLE ENTRY (NO)
52: SUBSTITUTION (NO)
52: JUSTIFICATION (LEFT)
52: FILL CHARACTER ()
52: FLOAT CHARACTER ()
52: DECIMAL POSITIONS (0)
52: SIGN POSITION (LEADING)
52: AUTO CLOSE (YES)
52: ARITHMETIC OPERATION (NO)
52: AUTO FILL-IN (NO)
52: NEXT PAGE NUMBER (YES - PAGE 4)
52: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X;))

52: AUTO-INCREMENT (NO)
52: OUTPUT TO MEMORY CELL (NO)
52: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FIVE

BIOFORM-05

53: TAB STOP (YES)
53: INPUT TYPE (KEYBOARD)
53: CHARACTER TYPE (PRINTABLE)
53: SECURITY FIELD (NO)
53: OVERRIDE ERROR FIELD (NO)
53: MINIMUM LENGTH (0)
53: EXACT LENGTH TABLE (NO)
53: RANGE (NO)
53: ALLOWABLE ENTRY (NO)
53: SUBSTITUTION (NO)
53: JUSTIFICATION (LEFT)
53: FILL CHARACTER ()
53: FLOAT CHARACTER ()
53: DECIMAL POSITIONS (0)
53: SIGN POSITION (LEADING)
53: AUTO CLOSE (YES)
53: ARITHMETIC OPERATION (NO)
53: AUTO FILL-IN (NO)
53: NEXT PAGE NUMBER (YES - PAGE 5)
53: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

53: AUTO-INCREMENT (NO)
53: OUTPUT TO MEMORY CELL (NO)
53: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:-
SIX

54: TAB STOP (YES)
54: INPUT TYPE (KEYBOARD)
54: CHARACTER TYPE (PRINTABLE)
54: SECURITY FIELD (NO)
54: OVERRIDE ERROR FIELD (NO)
54: MINIMUM LENGTH (0)
54: EXACT LENGTH TABLE (NO)
54: RANGE (NO)
54: ALLOWABLE ENTRY (NO)
54: SUBSTITUTION (NO)
54: JUSTIFICATION (LEFT)
54: FILL CHARACTER ()
54: FLOAT CHARACTER ()
54: DECIMAL POSITIONS (0)
54: SIGN POSITION (LEADING)
54: AUTO CLOSE (YES)
54: ARITHMETIC OPERATION (NO)
54: AUTO FILL-IN (NO)
54: NEXT PAGE NUMBER (YES - PAGE 6)
54: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

54: AUTO-INCREMENT (NO)
54: OUTPUT TO MEMORY CELL (NO)
54: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SEVEN

BIOFORM-05

55: TAB STOP (YES)
55: INPUT TYPE (KEYBOARD)
55: CHARACTER TYPE (PRINTABLE)
55: SECURITY FIELD (NO)
55: OVERRIDE ERROR FIELD (NO)
55: MINIMUM LENGTH (0)
55: EXACT LENGTH TABLE (NO)
55: RANGE (NO)
55: ALLOWABLE ENTRY (NO)
55: SUBSTITUTION (NO)
55: JUSTIFICATION (LEFT)
55: FILL CHARACTER ()
55: FLOAT CHARACTER ()
55: DECIMAL POSITIONS (0)
55: SIGN POSITION (LEADING)
55: AUTO CLOSE (YES)
55: ARITHMETIC OPERATION (NO)
55: AUTO FILL-IN (NO)
55: NEXT PAGE NUMBER (YES - PAGE 7)
55: BRANCHING (TEST LINE: 23 POSITION: 80)

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))

55: AUTO-INCREMENT (NO)
55: OUTPUT TO MEMORY CELL (NO)
55: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
EIGHT

56: TAB STOP (YES)
56: INPUT TYPE (KEYBOARD)
56: CHARACTER TYPE (PRINTABLE)
56: SECURITY FIELD (NO)
56: OVERRIDE ERROR FIELD (NO)
56: MINIMUM LENGTH (0)
56: EXACT LENGTH TABLE (NO)
56: RANGE (NO)
56: ALLOWABLE ENTRY (NO)
56: SUBSTITUTION (NO)
56: JUSTIFICATION (LEFT)
56: FILL CHARACTER ()
56: FLOAT CHARACTER ()
56: DECIMAL POSITIONS (0)
56: SIGN POSITION (LEADING)
56: AUTO CLOSE (YES)
56: ARITHMETIC OPERATION (NO)
56: AUTO FILL-IN (NO)
56: NEXT PAGE NUMBER (NO)
56: BRANCHING (NO)

56: AUTO-INCREMENT (NO)
56: OUTPUT TO MEMORY CELL (NO)
56: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
NINE

BIOFORM-05

57: TAB STOP (YES)
57: INPUT TYPE (KEYBOARD)
57: CHARACTER TYPE (PRINTABLE)
57: SECURITY FIELD (NO)
57: OVERRIDE ERROR FIELD (NO)
57: MINIMUM LENGTH (0)
57: EXACT LENGTH TABLE (NO)
57: RANGE (NO)
57: ALLOWABLE ENTRY (NO)
57: SUBSTITUTION (NO)
57: JUSTIFICATION (LEFT)
57: FILL CHARACTER ()
57: FLOAT CHARACTER ()
57: DECIMAL POSITIONS (0)
57: SIGN POSITION (LEADING)
57: AUTO CLOSE (YES)
57: ARITHMETIC OPERATION (NO)
57: AUTO FILL-IN (NO)
57: NEXT PAGE NUMBER (YES - PAGE 8)
57: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))

57: AUTO-INCREMENT (NO)
57: OUTPUT TO MEMORY CELL (NO)
57: OUTPUT TO DISKETTE (NO)

LAYOUT FILE .

FILED PAGE 66

ACTION FIELD <	RECORD TYPE <	SEQUENCE NO: YEAR <<	COLLECTION NO <<<<
REPLICATE <<	SPECIES <<<<<<<<<<<<	STATUS <	FIRSTLINE NO <<<

1.	FREQUENCY <<<	LENGTH <<<<	2.	FREQUENCY <<<	LENGTH <<<<
3.	FREQUENCY <<<	LENGTH <<<<	4.	FREQUENCY <<<	LENGTH <<<<
5.	FREQUENCY <<<	LENGTH <<<<	6.	FREQUENCY <<<	LENGTH <<<<
7.	FREQUENCY <<<	LENGTH <<<<	8.	FREQUENCY <<<	LENGTH <<<<
9.	FREQUENCY <<<	LENGTH <<<<	10.	FREQUENCY <<<	LENGTH <<<<
11.	FREQUENCY <<<	LENGTH <<<<	12.	FREQUENCY <<<	LENGTH <<<<
13.	FREQUENCY <<<	LENGTH <<<<	14.	FREQUENCY <<<	LENGTH <<<<

FILL VVV

```

-----LOAD THE FOLLOWING RECORD TYPE-CHOOSE WITH AN 'X'-----
ONE < TWO < THREE < FOUR < FIVE < SIX < SEVEN < EIGHT < NINE <

```


BIOFORM-06 ATTRIBUTES

ACTION FIELD

TAB STOP (YES)
 1: INPUT TYPE (KEYBOARD CONSTANT:)
 1: CHARACTER TYPE (PRINTABLE)
 1: SECURITY FIELD (NO)
 1: OVERRIDE ERROR FIELD (NO)
 1: MINIMUM LENGTH (0)
 1: EXACT LENGTH TABLE (NO)
 1: RANGE (NO)
 1: ALLOWABLE ENTRY (NO)
 1: SUBSTITUTION (NO)
 1: JUSTIFICATION (LEFT)
 1: FILL CHARACTER ()
 1: FLOAT CHARACTER ()
 1: DECIMAL POSITIONS (0)
 1: SIGN POSITION (LEADING)
 1: AUTO CLOSE (YES)
 1: ARITHMETIC OPERATION (NO)
 1: AUTO FILL-IN (NO)
 1: NEXT PAGE NUMBER (NO)
 1: BRANCHING (NO)
 1: AUTO-INCREMENT (NO)
 1: OUTPUT TO MEMORY CELL (NO)
 1: OUTPUT TO DISKETTE (YES)

RECORD TYPE

2: TAB STOP (YES)
 2: INPUT TYPE (CONSTANT: 6)
 2: CHARACTER TYPE (PRINTABLE)
 2: SECURITY FIELD (NO)
 2: OVERRIDE ERROR FIELD (NO)
 2: MINIMUM LENGTH (0)
 2: EXACT LENGTH TABLE (NO)
 2: RANGE (NO)
 2: ALLOWABLE ENTRY (NO)
 2: SUBSTITUTION (NO)
 2: JUSTIFICATION (LEFT)
 2: FILL CHARACTER ()
 2: FLOAT CHARACTER ()
 2: DECIMAL POSITIONS (0)
 2: SIGN POSITION (LEADING)
 2: AUTO CLOSE (YES)
 2: ARITHMETIC OPERATION (NO)
 2: AUTO FILL-IN (NO)
 2: NEXT PAGE NUMBER (NO)
 2: BRANCHING (NO)
 2: AUTO-INCREMENT (NO)
 2: OUTPUT TO MEMORY CELL (NO)
 2: OUTPUT TO DISKETTE (YES)

BIOFORM-06

SEQUENCE
NO: YEAR

3: TAB STOP (YES)
3: INPUT TYPE (MEMORY CELL # 1)
3: CHARACTER TYPE (PRINTABLE)
3: SECURITY FIELD (NO)
3: OVERRIDE ERROR FIELD (NO)
3: MINIMUM LENGTH (0)
3: EXACT LENGTH TABLE (NO)
3: RANGE (NO)
3: ALLOWABLE ENTRY (NO)
3: SUBSTITUTION (NO)
3: JUSTIFICATION (LEFT)
3: FILL CHARACTER ()
3: FLOAT CHARACTER ()
3: DECIMAL POSITIONS (0)
3: SIGN POSITION (LEADING)
3: AUTO CLOSE (YES)
3: ARITHMETIC OPERATION (NO)
3: AUTO FILL-IN (NO)
3: NEXT PAGE NUMBER (NO)
3: BRANCHING (NO)
3: AUTO-INCREMENT (NO)
3: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 1)
3: OUTPUT TO DISKETTE (YES)

SEQUENCE
NO: COLLECTION
NO 1

4: TAB STOP (YES)
4: INPUT TYPE (MEMORY CELL # 2)
4: CHARACTER TYPE (PRINTABLE)
4: SECURITY FIELD (NO)
4: OVERRIDE ERROR FIELD (NO)
4: MINIMUM LENGTH (0)
4: EXACT LENGTH TABLE (NO)
4: RANGE (NO)
4: ALLOWABLE ENTRY (NO)
4: SUBSTITUTION (NO)
4: JUSTIFICATION (LEFT)
4: FILL CHARACTER ()
4: FLOAT CHARACTER ()
4: DECIMAL POSITIONS (0)
4: SIGN POSITION (LEADING)
4: AUTO CLOSE (YES)
4: ARITHMETIC OPERATION (NO)
4: AUTO FILL-IN (NO)
4: NEXT PAGE NUMBER (NO)
4: BRANCHING (NO)
4: AUTO-INCREMENT (NO)
4: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 2)
4: OUTPUT TO DISKETTE (YES)

BIOFORM-06

REPLICATE

5: TAB STOP (YES)
 5: INPUT TYPE (MEMORY CELL # 3)
 5: CHARACTER TYPE (PRINTABLE)
 5: SECURITY FIELD (NO)
 5: OVERRIDE ERROR FIELD (NO)
 5: MINIMUM LENGTH (0)
 5: EXACT LENGTH TABLE (NO)
 5: RANGE (NO)
 5: ALLOWABLE ENTRY (NO)
 5: SUBSTITUTION (NO)
 5: JUSTIFICATION (LEFT)
 5: FILL CHARACTER ()
 5: FLOAT CHARACTER (0)
 5: DECIMAL POSITIONS (0)
 5: SIGN POSITION (LEADING)
 5: AUTO CLOSE (YES)
 5: ARITHMETIC OPERATION (NO)
 5: AUTO FILL-IN (NO)
 5: NEXT PAGE NUMBER (NO)
 5: BRANCHING (NO)
 5: AUTO-INCREMENT (NO)
 5: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 3)
 5: OUTPUT TO DISKETTE (YES)

SPECIES

6: TAB STOP (YES)
 6: INPUT TYPE (MEMORY CELL # 4)
 6: CHARACTER TYPE (PRINTABLE)
 6: SECURITY FIELD (NO)
 6: OVERRIDE ERROR FIELD (NO)
 6: MINIMUM LENGTH (0)
 6: EXACT LENGTH TABLE (NO)
 6: RANGE (NO)
 6: ALLOWABLE ENTRY (NO)
 6: SUBSTITUTION (NO)
 6: JUSTIFICATION (LEFT)
 6: FILL CHARACTER ()
 6: FLOAT CHARACTER ()
 6: DECIMAL POSITIONS (0)
 6: SIGN POSITION (LEADING)
 6: AUTO CLOSE (YES)
 6: ARITHMETIC OPERATION (NO)
 6: AUTO FILL-IN (NO)
 6: NEXT PAGE NUMBER (NO)
 6: BRANCHING (NO)
 6: AUTO-INCREMENT (NO)
 6: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 4)
 6: OUTPUT TO DISKETTE (YES)

BIOFORM-06

STATUS

7: TAB STOP (YES)
 7: INPUT TYPE (MEMORY CELL # 5)
 7: CHARACTER TYPE (PRINTABLE)
 7: SECURITY FIELD (NO)
 7: OVERRIDE ERROR FIELD (NO)
 7: MINIMUM LENGTH (0)
 7: EXACT LENGTH TABLE (NO)
 7: RANGE (NO)
 7: ALLOWABLE ENTRY (NO)
 7: SUBSTITUTION (NO)
 7: JUSTIFICATION (LEFT)
 7: FILL CHARACTER ()
 7: FLOAT CHARACTER ()
 7: DECIMAL POSITIONS (0)
 7: SIGN POSITION (LEADING)
 7: AUTO CLOSE (YES)
 7: ARITHMETIC OPERATION (NO)
 7: AUTO FILL-IN (NO)
 7: NEXT PAGE NUMBER (NO)
 7: BRANCHING (NO)
 7: AUTO-INCREMENT (NO)
 7: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 5)
 7: OUTPUT TO DISKETTE (YES)

FIRST LINE NO

8: TAB STOP (YES)
 8: INPUT TYPE (KEYBOARD-CONSTANT: 001)
 8: CHARACTER TYPE (DIGIT)
 8: SECURITY FIELD (NO)
 8: OVERRIDE ERROR FIELD (NO)
 8: MINIMUM LENGTH (0)
 8: EXACT LENGTH TABLE (NO)
 8: RANGE (NO)
 8: ALLOWABLE ENTRY (NO)
 8: SUBSTITUTION (NO)
 8: JUSTIFICATION (RIGHT)
 8: FILL CHARACTER (0)
 8: FLOAT CHARACTER (0)
 8: DECIMAL POSITIONS (0)
 8: SIGN POSITION (LEADING)
 8: AUTO CLOSE (YES)
 8: ARITHMETIC OPERATION (NO)
 8: AUTO FILL-IN (NO)
 8: NEXT PAGE NUMBER (NO)
 8: BRANCHING (NO)
 8: AUTO-INCREMENT (NO)
 8: OUTPUT TO MEMORY CELL (NO)
 8: OUTPUT TO DISKETTE (YES)

BIOFORM-06

1. FREQUENCY

9: TAB STOP (YES)
 9: INPUT TYPE (KEYBOARD)
 9: CHARACTER TYPE (DIGIT)
 9: SECURITY FIELD (NO)
 9: OVERRIDE ERROR FIELD (YES)
 9: MINIMUM LENGTH (0)
 9: EXACT LENGTH TABLE (NO)
 9: RANGE (NO)
 9: ALLOWABLE ENTRY (NO)
 9: SUBSTITUTION (NO)
 9: JUSTIFICATION (RIGHT)
 9: FILL CHARACTER ()
 9: FLOAT CHARACTER ()
 9: DECIMAL POSITIONS (0)
 9: SIGN POSITION (LEADING)
 9: AUTO CLOSE (YES)
 9: ARITHMETIC OPERATION (NO)
 9: AUTO FILL-IN (NO)
 9: NEXT PAGE NUMBER (NO)
 9: BRANCHING (NO)
 9: AUTO-INCREMENT (NO)
 9: OUTPUT TO MEMORY CELL (NO)
 9: OUTPUT TO DISKETTE (YES)

1. LENGTH

10: TAB STOP (YES)
 10: INPUT TYPE (KEYBOARD)
 10: CHARACTER TYPE (DIGIT)
 10: SECURITY FIELD (NO)
 10: OVERRIDE ERROR FIELD (YES)
 10: MINIMUM LENGTH (0)
 10: EXACT LENGTH TABLE (NO)
 10: RANGE (NO)
 10: ALLOWABLE ENTRY (NO)
 10: SUBSTITUTION (NO)
 10: JUSTIFICATION (RIGHT)
 10: FILL CHARACTER ()
 10: FLOAT CHARACTER ()
 10: DECIMAL POSITIONS (0)
 10: SIGN POSITION (LEADING)
 10: AUTO CLOSE (YES)
 10: ARITHMETIC OPERATION (NO)
 10: AUTO FILL-IN (NO)
 10: NEXT PAGE NUMBER (NO)
 10: BRANCHING (NO)
 10: AUTO-INCREMENT (NO)
 10: OUTPUT TO MEMORY CELL (NO)
 10: OUTPUT TO DISKETTE (YES)

BIOFORM-06

2. FREQUENCY

11: TAB STOP (YES)
 11: INPUT TYPE (KEYBOARD)
 11: CHARACTER TYPE (DIGIT)
 11: SECURITY FIELD (NO)
 11: OVERRIDE ERROR FIELD (YES)
 11: MINIMUM LENGTH (0)
 11: EXACT LENGTH TABLE (NO)
 11: RANGE (NO)
 11: ALLOWABLE ENTRY (NO)
 11: SUBSTITUTION (NO)
 11: JUSTIFICATION (RIGHT)
 11: FILL CHARACTER ()
 11: FLOAT CHARACTER ()
 11: DECIMAL POSITIONS (0)
 11: SIGN POSITION (LEADING)
 11: AUTO CLOSE (YES)
 11: ARITHMETIC OPERATION (NO)
 11: AUTO FILL-IN (NO)
 11: NEXT PAGE NUMBER (NO)
 11: BRANCHING (NO)
 11: AUTO-INCREMENT (NO)
 11: OUTPUT TO MEMORY CELL (NO)
 11: OUTPUT TO DISKETTE (YES)

2. LENGTH

12: TAB STOP (YES)
 12: INPUT TYPE (KEYBOARD)
 12: CHARACTER TYPE (DIGIT)
 12: SECURITY FIELD (NO)
 12: OVERRIDE ERROR FIELD (YES)
 12: MINIMUM LENGTH (0)
 12: EXACT LENGTH TABLE (NO)
 12: RANGE (NO)
 12: ALLOWABLE ENTRY (NO)
 12: SUBSTITUTION (NO)
 12: JUSTIFICATION (RIGHT)
 12: FILL CHARACTER ()
 12: FLOAT CHARACTER ()
 12: DECIMAL POSITIONS (0)
 12: SIGN POSITION (LEADING)
 12: AUTO CLOSE (YES)
 12: ARITHMETIC OPERATION (NO)
 12: AUTO FILL-IN (NO)
 12: NEXT PAGE NUMBER (NO)
 12: BRANCHING (NO)
 12: AUTO-INCREMENT (NO)
 12: OUTPUT TO MEMORY CELL (NO)
 12: OUTPUT TO DISKETTE (YES)

BIOFORM-06

3. FREQUENCY

13: TAB STOP (YES)
 13: INPUT TYPE (KEYBOARD)
 13: CHARACTER TYPE (DIGIT)
 13: SECURITY FIELD (NO)
 13: OVERRIDE ERROR FIELD (YES)
 13: MINIMUM LENGTH (0)
 13: EXACT LENGTH TABLE (NO)
 13: RANGE (NO)
 13: ALLOWABLE ENTRY (NO)
 13: SUBSTITUTION (NO)
 13: JUSTIFICATION (RIGHT)
 13: FILL CHARACTER ()
 13: FLOAT CHARACTER ()
 13: DECIMAL POSITIONS (0)
 13: SIGN POSITION (LEADING)
 13: AUTO CLOSE (YES)
 13: ARITHMETIC OPERATION (NO)
 13: AUTO FILL-IN (NO)
 13: NEXT PAGE NUMBER (NO)
 13: BRANCHING (NO)
 13: AUTO-INCREMENT (NO)
 13: OUTPUT TO MEMORY CELL (NO)
 13: OUTPUT TO DISKETTE (YES)

3. LENGTH

14: TAB STOP (YES)
 14: INPUT TYPE (KEYBOARD)
 14: CHARACTER TYPE (DIGIT)
 14: SECURITY FIELD (NO)
 14: OVERRIDE ERROR FIELD (YES)
 14: MINIMUM LENGTH (0)
 14: EXACT LENGTH TABLE (NO)
 14: RANGE (NO)
 14: ALLOWABLE ENTRY (NO)
 14: SUBSTITUTION (NO)
 14: JUSTIFICATION (RIGHT)
 14: FILL CHARACTER ()
 14: FLOAT CHARACTER ()
 14: DECIMAL POSITIONS (0)
 14: SIGN POSITION (LEADING)
 14: AUTO CLOSE (YES)
 14: ARITHMETIC OPERATION (NO)
 14: AUTO FILL-IN (NO)
 14: NEXT PAGE NUMBER (NO)
 14: BRANCHING (NO)
 14: AUTO-INCREMENT (NO)
 14: OUTPUT TO MEMORY CELL (NO)
 14: OUTPUT TO DISKETTE (YES)

BIOFORM-06

4. FREQUENCY

15: TAB STOP (YES)
 15: INPUT TYPE (KEYBOARD)
 15: CHARACTER TYPE (DIGIT)
 15: SECURITY FIELD (NO)
 15: OVERRIDE ERROR FIELD (YES)
 15: MINIMUM LENGTH (0)
 15: EXACT LENGTH TABLE (NO)
 15: RANGE (NO)
 15: ALLOWABLE ENTRY (NO)
 15: SUBSTITUTION (NO)
 15: JUSTIFICATION (RIGHT)
 15: FILL CHARACTER ()
 15: FLOAT CHARACTER ()
 15: DECIMAL POSITIONS (0)
 15: SIGN POSITION (LEADING)
 15: AUTO CLOSE (YES)
 15: ARITHMETIC OPERATION (NO)
 15: AUTO FILL-IN (NO)
 15: NEXT PAGE NUMBER (NO)
 15: BRANCHING (NO)
 15: AUTO-INCREMENT (NO)
 15: OUTPUT TO MEMORY CELL (NO)
 15: OUTPUT TO DISKETTE (YES)

4. LENGTH

16: TAB STOP (YES)
 16: INPUT TYPE (KEYBOARD)
 16: CHARACTER TYPE (DIGIT)
 16: SECURITY FIELD (NO)
 16: OVERRIDE ERROR FIELD (YES)
 16: MINIMUM LENGTH (0)
 16: EXACT LENGTH TABLE (NO)
 16: RANGE (NO)
 16: ALLOWABLE ENTRY (NO)
 16: SUBSTITUTION (NO)
 16: JUSTIFICATION (RIGHT)
 16: FILL CHARACTER ()
 16: FLOAT CHARACTER ()
 16: DECIMAL POSITIONS (0)
 16: SIGN POSITION (LEADING)
 16: AUTO CLOSE (YES)
 16: ARITHMETIC OPERATION (NO)
 16: AUTO FILL-IN (NO)
 16: NEXT PAGE NUMBER (NO)
 16: BRANCHING (NO)
 16: AUTO-INCREMENT (NO)
 16: OUTPUT TO MEMORY CELL (NO)
 16: OUTPUT TO DISKETTE (YES)

BIOFORM-06

5. FREQUENCY

17: TAB STOP (YES)
 17: INPUT TYPE (KEYBOARD)
 17: CHARACTER TYPE (DIGIT)
 17: SECURITY FIELD (NO)
 17: OVERRIDE ERROR FIELD (YES)
 17: MINIMUM LENGTH (0)
 17: EXACT LENGTH TABLE (NO)
 17: RANGE (NO)
 17: ALLOWABLE ENTRY (NO)
 17: SUBSTITUTION (NO)
 17: JUSTIFICATION (RIGHT)
 17: FILL CHARACTER ()
 17: FLOAT CHARACTER ()
 17: DECIMAL POSITIONS (0)
 17: SIGN POSITION (LEADING)
 17: AUTO CLOSE (YES)
 17: ARITHMETIC OPERATION (NO)
 17: AUTO FILL-IN (NO)
 17: NEXT PAGE NUMBER (NO)
 17: BRANCHING (NO)
 17: AUTO-INCREMENT (NO)
 17: OUTPUT TO MEMORY CELL (NO)
 17: OUTPUT TO DISKETTE (YES)

5. LENGTH

18: TAB STOP (YES)
 18: INPUT TYPE (KEYBOARD)
 18: CHARACTER TYPE (DIGIT)
 18: SECURITY FIELD (NO)
 18: OVERRIDE ERROR FIELD (YES)
 18: MINIMUM LENGTH (0)
 18: EXACT LENGTH TABLE (NO)
 18: RANGE (NO)
 18: ALLOWABLE ENTRY (NO)
 18: SUBSTITUTION (NO)
 18: JUSTIFICATION (RIGHT)
 18: FILL CHARACTER ()
 18: FLOAT CHARACTER ()
 18: DECIMAL POSITIONS (0)
 18: SIGN POSITION (LEADING)
 18: AUTO CLOSE (YES)
 18: ARITHMETIC OPERATION (NO)
 18: AUTO FILL-IN (NO)
 18: NEXT PAGE NUMBER (NO)
 18: BRANCHING (NO)
 18: AUTO-INCREMENT (NO)
 18: OUTPUT TO MEMORY CELL (NO)
 18: OUTPUT TO DISKETTE (YES)

BIOFORM-06

6. FREQUENCY

19: TAB STOP (YES)
 19: INPUT TYPE (KEYBOARD)
 19: CHARACTER TYPE (DIGIT)
 19: SECURITY FIELD (NO)
 19: OVERRIDE ERROR FIELD (YES)
 19: MINIMUM LENGTH (0)
 19: EXACT LENGTH TABLE (NO)
 19: RANGE (NO)
 19: ALLOWABLE ENTRY (NO)
 19: SUBSTITUTION (NO)
 19: JUSTIFICATION (RIGHT)
 19: FILL CHARACTER ()
 19: FLOAT CHARACTER ()
 19: DECIMAL POSITIONS (0)
 19: SIGN POSITION (LEADING)
 19: AUTO CLOSE (YES)
 19: ARITHMETIC OPERATION (NO)
 19: AUTO FILL-IN (NO)
 19: NEXT PAGE NUMBER (NO)
 19: BRANCHING (NO)
 19: AUTO-INCREMENT (NO)
 19: OUTPUT TO MEMORY CELL (NO)
 19: OUTPUT TO DISKETTE (YES)

6. LENGTH

20: TAB STOP (YES)
 20: INPUT TYPE (KEYBOARD)
 20: CHARACTER TYPE (DIGIT)
 20: SECURITY FIELD (NO)
 20: OVERRIDE ERROR FIELD (YES)
 20: MINIMUM LENGTH (0)
 20: EXACT LENGTH TABLE (NO)
 20: RANGE (NO)
 20: ALLOWABLE ENTRY (NO)
 20: SUBSTITUTION (NO)
 20: JUSTIFICATION (RIGHT)
 20: FILL CHARACTER ()
 20: FLOAT CHARACTER ()
 20: DECIMAL POSITIONS (0)
 20: SIGN POSITION (LEADING)
 20: AUTO CLOSE (YES)
 20: ARITHMETIC OPERATION (NO)
 20: AUTO FILL-IN (NO)
 20: NEXT PAGE NUMBER (NO)
 20: BRANCHING (NO)
 20: AUTO-INCREMENT (NO)
 20: OUTPUT TO MEMORY CELL (NO)
 20: OUTPUT TO DISKETTE (YES)

BIOFORM-06

7. FREQUENCY

21: TAB STOP (YES)
 21: INPUT TYPE (KEYBOARD)
 21: CHARACTER TYPE (DIGIT)
 21: SECURITY FIELD (NO)
 21: OVERRIDE ERROR FIELD (YES)
 21: MINIMUM LENGTH (0)
 21: EXACT LENGTH TABLE (NO)
 21: RANGE (NO)
 21: ALLOWABLE ENTRY (NO)
 21: SUBSTITUTION (NO)
 21: JUSTIFICATION (RIGHT)
 21: FILL CHARACTER ()
 21: FLOAT CHARACTER ()
 21: DECIMAL POSITIONS (0)
 21: SIGN POSITION (LEADING)
 21: AUTO CLOSE (YES)
 21: ARITHMETIC OPERATION (NO)
 21: AUTO FILL-IN (NO)
 21: NEXT PAGE NUMBER (NO)
 21: BRANCHING (NO)
 21: AUTO-INCREMENT (NO)
 21: OUTPUT TO MEMORY CELL (NO)
 21: OUTPUT TO DISKETTE (YES)

7. LENGTH

22: TAB STOP (YES)
 22: INPUT TYPE (KEYBOARD)
 22: CHARACTER TYPE (DIGIT)
 22: SECURITY FIELD (NO)
 22: OVERRIDE ERROR FIELD (YES)
 22: MINIMUM LENGTH (0)
 22: EXACT LENGTH TABLE (NO)
 22: RANGE (NO)
 22: ALLOWABLE ENTRY (NO)
 22: SUBSTITUTION (NO)
 22: JUSTIFICATION (RIGHT)
 22: FILL CHARACTER ()
 22: FLOAT CHARACTER ()
 22: DECIMAL POSITIONS (0)
 22: SIGN POSITION (LEADING)
 22: AUTO CLOSE (YES)
 22: ARITHMETIC OPERATION (NO)
 22: AUTO FILL-IN (NO)
 22: NEXT PAGE NUMBER (NO)
 22: BRANCHING (NO)
 22: AUTO-INCREMENT (NO)
 22: OUTPUT TO MEMORY CELL (NO)
 22: OUTPUT TO DISKETTE (YES)

BIOFORM-06

8. FREQUENCY

23: TAB STOP (YES)
 23: INPUT TYPE (KEYBOARD)
 23: CHARACTER TYPE (DIGIT)
 23: SECURITY FIELD (NO)
 23: OVERRIDE ERROR FIELD (YES)
 23: MINIMUM LENGTH (0)
 23: EXACT LENGTH TABLE (NO)
 23: RANGE (NO)
 23: ALLOWABLE ENTRY (NO)
 23: SUBSTITUTION (NO)
 23: JUSTIFICATION (RIGHT)
 23: FILL CHARACTER ()
 23: FLOAT CHARACTER ()
 23: DECIMAL POSITIONS (0)
 23: SIGN POSITION (LEADING)
 23: AUTO CLOSE (YES)
 23: ARITHMETIC OPERATION (NO)
 23: AUTO FILL-IN (NO)
 23: NEXT PAGE NUMBER (NO)
 23: BRANCHING (NO)
 23: AUTO-INCREMENT (NO)
 23: OUTPUT TO MEMORY CELL (NO)
 23: OUTPUT TO DISKETTE (YES)

8. LENGTH

24: TAB STOP (YES)
 24: INPUT TYPE (KEYBOARD)
 24: CHARACTER TYPE (DIGIT)
 24: SECURITY FIELD (NO)
 24: OVERRIDE ERROR FIELD (YES)
 24: MINIMUM LENGTH (0)
 24: EXACT LENGTH TABLE (NO)
 24: RANGE (NO)
 24: ALLOWABLE ENTRY (NO)
 24: SUBSTITUTION (NO)
 24: JUSTIFICATION (RIGHT)
 24: FILL CHARACTER ()
 24: FLOAT CHARACTER ()
 24: DECIMAL POSITIONS (0)
 24: SIGN POSITION (LEADING)
 24: AUTO CLOSE (YES)
 24: ARITHMETIC OPERATION (NO)
 24: AUTO FILL-IN (NO)
 24: NEXT PAGE NUMBER (NO)
 24: BRANCHING (NO)
 24: AUTO-INCREMENT (NO)
 24: OUTPUT TO MEMORY CELL (NO)
 24: OUTPUT TO DISKETTE (YES)

BIOFORM-06

9. FREQUENCY

25: TAB STOP (YES)
 25: INPUT TYPE (KEYBOARD)
 25: CHARACTER TYPE (DIGIT)
 25: SECURITY FIELD (NO)
 25: OVERRIDE ERROR FIELD (YES)
 25: MINIMUM LENGTH (0)
 25: EXACT LENGTH TABLE (NO)
 25: RANGE (NO)
 25: ALLOWABLE ENTRY (NO)
 25: SUBSTITUTION (NO)
 25: JUSTIFICATION (RIGHT)
 25: FILL CHARACTER ()
 25: FLOAT CHARACTER ()
 25: DECIMAL POSITIONS (0)
 25: SIGN POSITION (LEADING)
 25: AUTO CLOSE (YES)
 25: ARITHMETIC OPERATION (NO)
 25: AUTO FILL-IN (NO)
 25: NEXT PAGE NUMBER (NO)
 25: BRANCHING (NO)
 25: AUTO-INCREMENT (NO)
 25: OUTPUT TO MEMORY CELL (NO)
 25: OUTPUT TO DISKETTE (YES)

9. LENGTH

26: TAB STOP (YES)
 26: INPUT TYPE (KEYBOARD)
 26: CHARACTER TYPE (DIGIT)
 26: SECURITY FIELD (NO)
 26: OVERRIDE ERROR FIELD (YES)
 26: MINIMUM LENGTH (0)
 26: EXACT LENGTH TABLE (NO)
 26: RANGE (NO)
 26: ALLOWABLE ENTRY (NO)
 26: SUBSTITUTION (NO)
 26: JUSTIFICATION (RIGHT)
 26: FILL CHARACTER ()
 26: FLOAT CHARACTER ()
 26: DECIMAL POSITIONS (0)
 26: SIGN POSITION (LEADING)
 26: AUTO CLOSE (YES)
 26: ARITHMETIC OPERATION (NO)
 26: AUTO FILL-IN (NO)
 26: NEXT PAGE NUMBER (NO)
 26: BRANCHING (NO)
 26: AUTO-INCREMENT (NO)
 26: OUTPUT TO MEMORY CELL (NO)
 26: OUTPUT TO DISKETTE (YES)

BIOFORM-06

10. FREQUENCY

27: TAB STOP (YES)
 27: INPUT TYPE (KEYBOARD)
 27: CHARACTER TYPE (DIGIT)
 27: SECURITY FIELD (NO)
 27: OVERRIDE ERROR FIELD (YES)
 27: MINIMUM LENGTH (0)
 27: EXACT LENGTH TABLE (NO)
 27: RANGE (NO)
 27: ALLOWABLE ENTRY (NO)
 27: SUBSTITUTION (NO)
 27: JUSTIFICATION (RIGHT)
 27: FILL CHARACTER ()
 27: FLOAT CHARACTER ()
 27: DECIMAL POSITIONS (0)
 27: SIGN POSITION (LEADING)
 27: AUTO CLOSE (YES)
 27: ARITHMETIC OPERATION (NO)
 27: AUTO FILL-IN (NO)
 27: NEXT PAGE NUMBER (NO)
 27: BRANCHING (NO)
 27: AUTO-INCREMENT (NO)
 27: OUTPUT TO MEMORY CELL (NO)
 27: OUTPUT TO DISKETTE (YES)

10. LENGTH

28: TAB STOP (YES)
 28: INPUT TYPE (KEYBOARD)
 28: CHARACTER TYPE (DIGIT)
 28: SECURITY FIELD (NO)
 28: OVERRIDE ERROR FIELD (YES)
 28: MINIMUM LENGTH (0)
 28: EXACT LENGTH TABLE (NO)
 28: RANGE (NO)
 28: ALLOWABLE ENTRY (NO)
 28: SUBSTITUTION (NO)
 28: JUSTIFICATION (RIGHT)
 28: FILL CHARACTER ()
 28: FLOAT CHARACTER ()
 28: DECIMAL POSITIONS (0)
 28: SIGN POSITION (LEADING)
 28: AUTO CLOSE (YES)
 28: ARITHMETIC OPERATION (NO)
 28: AUTO FILL-IN (NO)
 28: NEXT PAGE NUMBER (NO)
 28: BRANCHING (NO)
 28: AUTO-INCREMENT (NO)
 28: OUTPUT TO MEMORY CELL (NO)
 28: OUTPUT TO DISKETTE (YES)

BIOFORM-06

11. FREQUENCY

29: TAB STOP (YES)
 29: INPUT TYPE (KEYBOARD)
 29: CHARACTER TYPE (DIGIT)
 29: SECURITY FIELD (NO)
 29: OVERRIDE ERROR FIELD (YES)
 29: MINIMUM LENGTH (0)
 29: EXACT LENGTH TABLE (NO)
 29: RANGE (NO)
 29: ALLOWABLE ENTRY (NO)
 29: SUBSTITUTION (NO)
 29: JUSTIFICATION (RIGHT)
 29: FILL CHARACTER ()
 29: FLOAT CHARACTER ()
 29: DECIMAL POSITIONS (0)
 29: SIGN POSITION (LEADING)
 29: AUTO CLOSE (YES)
 29: ARITHMETIC OPERATION (NO)
 29: AUTO FILL-IN (NO)
 29: NEXT PAGE NUMBER (NO)
 29: BRANCHING (NO)
 29: AUTO-INCREMENT (NO)
 29: OUTPUT TO MEMORY CELL (NO)
 29: OUTPUT TO DISKETTE (YES)

11. LENGTH

30: TAB STOP (YES)
 30: INPUT TYPE (KEYBOARD)
 30: CHARACTER TYPE (DIGIT)
 30: SECURITY FIELD (NO)
 30: OVERRIDE ERROR FIELD (YES)
 30: MINIMUM LENGTH (0)
 30: EXACT LENGTH TABLE (NO)
 30: RANGE (NO)
 30: ALLOWABLE ENTRY (NO)
 30: SUBSTITUTION (NO)
 30: JUSTIFICATION (RIGHT)
 30: FILL CHARACTER ()
 30: FLOAT CHARACTER ()
 30: DECIMAL POSITIONS (0)
 30: SIGN POSITION (LEADING)
 30: AUTO CLOSE (YES)
 30: ARITHMETIC OPERATION (NO)
 30: AUTO FILL-IN (NO)
 30: NEXT PAGE NUMBER (NO)
 30: BRANCHING (NO)
 30: AUTO-INCREMENT (NO)
 30: OUTPUT TO MEMORY CELL (NO)
 30: OUTPUT TO DISKETTE (YES)

BIOFORM-06

12. FREQUENCY

31: TAB STOP (YES)
 31: INPUT TYPE (KEYBOARD)
 31: CHARACTER TYPE (DIGIT)
 31: SECURITY FIELD (NO)
 31: OVERRIDE ERROR FIELD (YES)
 31: MINIMUM LENGTH (0)
 31: EXACT LENGTH TABLE (NO)
 31: RANGE (NO)
 31: ALLOWABLE ENTRY (NO)
 31: SUBSTITUTION (NO)
 31: JUSTIFICATION (RIGHT)
 31: FILL CHARACTER ()
 31: FLOAT CHARACTER ()
 31: DECIMAL POSITIONS (0)
 31: SIGN POSITION (LEADING)
 31: AUTO CLOSE (YES)
 31: ARITHMETIC OPERATION (NO)
 31: AUTO FILL-IN (NO)
 31: NEXT PAGE NUMBER (NO)
 31: BRANCHING (NO)
 31: AUTO-INCREMENT (NO)
 31: OUTPUT TO MEMORY CELL (NO)
 31: OUTPUT TO DISKETTE (YES)

12. LENGTH

32: TAB STOP (YES)
 32: INPUT TYPE (KEYBOARD)
 32: CHARACTER TYPE (DIGIT)
 32: SECURITY FIELD (NO)
 32: OVERRIDE ERROR FIELD (YES)
 32: MINIMUM LENGTH (0)
 32: EXACT LENGTH TABLE (NO)
 32: RANGE (NO)
 32: ALLOWABLE ENTRY (NO)
 32: SUBSTITUTION (NO)
 32: JUSTIFICATION (RIGHT)
 32: FILL CHARACTER ()
 32: FLOAT CHARACTER ()
 32: DECIMAL POSITIONS (0)
 32: SIGN POSITION (LEADING)
 32: AUTO CLOSE (YES)
 32: ARITHMETIC OPERATION (NO)
 32: AUTO FILL-IN (NO)
 32: NEXT PAGE NUMBER (NO)
 32: BRANCHING (NO)
 32: AUTO-INCREMENT (NO)
 32: OUTPUT TO MEMORY CELL (NO)
 32: OUTPUT TO DISKETTE (YES)

BIOFORM-06

13. FREQUENCY

33: TAB STOP (YES)
 33: INPUT TYPE (KEYBOARD)
 33: CHARACTER TYPE (DIGIT)
 33: SECURITY FIELD (NO)
 33: OVERRIDE ERROR FIELD (YES)
 33: MINIMUM LENGTH (0)
 33: EXACT LENGTH TABLE (NO)
 33: RANGE (NO)
 33: ALLOWABLE ENTRY (NO)
 33: SUBSTITUTION (NO)
 33: JUSTIFICATION (RIGHT)
 33: FILL CHARACTER ()
 33: FLOAT CHARACTER ()
 33: DECIMAL POSITIONS (0)
 33: SIGN POSITION (LEADING)
 33: AUTO CLOSE (YES)
 33: ARITHMETIC OPERATION (NO)
 33: AUTO FILL-IN (NO)
 33: NEXT PAGE NUMBER (NO)
 33: BRANCHING (NO)
 33: AUTO-INCREMENT (NO)
 33: OUTPUT TO MEMORY CELL (NO)
 33: OUTPUT TO DISKETTE (YES)

13. LENGTH

34: TAB STOP (YES)
 34: INPUT TYPE (KEYBOARD)
 34: CHARACTER TYPE (DIGIT)
 34: SECURITY FIELD (NO)
 34: OVERRIDE ERROR FIELD (YES)
 34: MINIMUM LENGTH (0)
 34: EXACT LENGTH TABLE (NO)
 34: RANGE (NO)
 34: ALLOWABLE ENTRY (NO)
 34: SUBSTITUTION (NO)
 34: JUSTIFICATION (RIGHT)
 34: FILL CHARACTER ()
 34: FLOAT CHARACTER ()
 34: DECIMAL POSITIONS (0)
 34: SIGN POSITION (LEADING)
 34: AUTO CLOSE (YES)
 34: ARITHMETIC OPERATION (NO)
 34: AUTO FILL-IN (NO)
 34: NEXT PAGE NUMBER (NO)
 34: BRANCHING (NO)
 34: AUTO-INCREMENT (NO)
 34: OUTPUT TO MEMORY CELL (NO)
 34: OUTPUT TO DISKETTE (YES)

BIOFORM-06

14. FREQUENCY

35: TAB STOP (YES)
 35: INPUT TYPE (KEYBOARD)
 35: CHARACTER TYPE (DIGIT)
 35: SECURITY FIELD (NO)
 35: OVERRIDE ERROR FIELD (YES)
 35: MINIMUM LENGTH (0)
 35: EXACT LENGTH TABLE (NO)
 35: RANGE (NO)
 35: ALLOWABLE ENTRY (NO)
 35: SUBSTITUTION (NO)
 35: JUSTIFICATION (RIGHT)
 35: FILL CHARACTER ()
 35: FLOAT CHARACTER ()
 35: DECIMAL POSITIONS (0)
 35: SIGN POSITION (LEADING)
 35: AUTO CLOSE (YES)
 35: ARITHMETIC OPERATION (NO)
 35: AUTO FILL-IN (NO)
 35: NEXT PAGE NUMBER (NO)
 35: BRANCHING (NO)
 35: AUTO-INCREMENT (NO)
 35: OUTPUT TO MEMORY CELL (NO)
 35: OUTPUT TO DISKETTE (YES)

14. LENGTH

36: TAB STOP (YES)
 36: INPUT TYPE (KEYBOARD)
 36: CHARACTER TYPE (DIGIT)
 36: SECURITY FIELD (NO)
 36: OVERRIDE ERROR FIELD (YES)
 36: MINIMUM LENGTH (0)
 36: EXACT LENGTH TABLE (NO)
 36: RANGE (NO)
 36: ALLOWABLE ENTRY (NO)
 36: SUBSTITUTION (NO)
 36: JUSTIFICATION (RIGHT)
 36: FILL CHARACTER ()
 36: FLOAT CHARACTER ()
 36: DECIMAL POSITIONS (0)
 36: SIGN POSITION (LEADING)
 36: AUTO CLOSE (YES)
 36: ARITHMETIC OPERATION (NO)
 36: AUTO FILL-IN (NO)
 36: NEXT PAGE NUMBER (NO)
 36: BRANCHING (NO)
 36: AUTO-INCREMENT (NO)
 36: OUTPUT TO MEMORY CELL (NO)
 36: OUTPUT TO DISKETTE (YES)

BIOFORM-06

FILL

37: TAB STOP (YES)
 37: INPUT TYPE (CONSTANT:)
 37: CHARACTER TYPE (PRINTABLE)
 37: SECURITY FIELD (NO)
 37: OVERRIDE ERROR FIELD (NO)
 37: MINIMUM LENGTH (0)
 37: EXACT LENGTH TABLE (NO)
 37: RANGE (NO)
 37: ALLOWABLE ENTRY (NO)
 37: SUBSTITUTION (NO)
 37: JUSTIFICATION (LEFT)
 37: FILL CHARACTER ()
 37: FLOAT CHARACTER ()
 37: DECIMAL POSITIONS (0)
 37: SIGN POSITION (LEADING)
 37: AUTO CLOSE (YES)
 37: ARITHMETIC OPERATION (NO)
 37: AUTO FILL-IN (NO)
 37: NEXT PAGE NUMBER (NO)
 37: BRANCHING (NO)
 37: AUTO-INCREMENT (NO)
 37: OUTPUT TO MEMORY CELL (NO)
 37: OUTPUT TO DISKETTE (YES)

LOAD
 RECORD TYPE:
 ONE

38: TAB STOP (YES)
 38: INPUT TYPE (KEYBOARD)
 38: CHARACTER TYPE (PRINTABLE)
 38: SECURITY FIELD (NO)
 38: OVERRIDE ERROR FIELD (NO)
 38: MINIMUM LENGTH (0)
 38: EXACT LENGTH TABLE (NO)
 38: RANGE (NO)
 38: ALLOWABLE ENTRY (NO)
 38: SUBSTITUTION (NO)
 38: JUSTIFICATION (LEFT)
 38: FILL CHARACTER ()
 38: FLOAT CHARACTER ()
 38: DECIMAL POSITIONS (0)
 38: SIGN POSITION (LEADING)
 38: AUTO CLOSE (YES)
 38: ARITHMETIC OPERATION (NO)
 38: AUTO FILL-IN (NO)
 38: NEXT PAGE NUMBER (YES - PAGE 1)
 38: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
 BRANCH: MAXIMUM LENGTH (1)
 BRANCH: EXACT LENGTH TABLE (NO)
 BRANCH: RANGE (NO)
 BRANCH: ALLOWABLE ENTRY (YES - RAM:
 X;))
 38: AUTO-INCREMENT (NO)
 38: OUTPUT TO MEMORY CELL (NO)
 38: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
TWO

BIOFORM-06

39: TAB STOP (YES)
39: INPUT TYPE (KEYBOARD)
39: CHARACTER TYPE (PRINTABLE)
39: SECURITY FIELD (NO)
39: OVERRIDE ERROR FIELD (NO)
39: MINIMUM LENGTH (0)
39: EXACT LENGTH TABLE (NO)
39: RANGE (NO)
39: ALLOWABLE ENTRY (NO)
39: SUBSTITUTION (NO)
39: JUSTIFICATION (LEFT)
39: FILL CHARACTER ()
39: FLOAT CHARACTER ()
39: DECIMAL POSITIONS (0)
39: SIGN POSITION (LEADING)
39: AUTO CLOSE (YES)
39: ARITHMETIC OPERATION (NO)
39: AUTO FILL-IN (NO)
39: NEXT PAGE NUMBER (YES - PAGE 2)
39: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

39: AUTO-INCREMENT (NO)
39: OUTPUT TO MEMORY CELL (NO)
39: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
THREE

40: TAB STOP (YES)
40: INPUT TYPE (KEYBOARD)
40: CHARACTER TYPE (PRINTABLE)
40: SECURITY FIELD (NO)
40: OVERRIDE ERROR FIELD (NO)
40: MINIMUM LENGTH (0)
40: EXACT LENGTH TABLE (NO)
40: RANGE (NO)
40: ALLOWABLE ENTRY (NO)
40: SUBSTITUTION (NO)
40: JUSTIFICATION (LEFT)
40: FILL CHARACTER ()
40: FLOAT CHARACTER ()
40: DECIMAL POSITIONS (0)
40: SIGN POSITION (LEADING)
40: AUTO CLOSE (YES)
40: ARITHMETIC OPERATION (NO)
40: AUTO FILL-IN (NO)
40: NEXT PAGE NUMBER (YES - PAGE 3)
40: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

40: AUTO-INCREMENT (NO)
40: OUTPUT TO MEMORY CELL (NO)
40: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FOUR

BIOFORM-06

41: TAB STOP (YES)
41: INPUT TYPE (KEYBOARD)
41: CHARACTER TYPE (PRINTABLE)
41: SECURITY FIELD (NO)
41: OVERRIDE ERROR FIELD (NO)
41: MINIMUM LENGTH (0)
41: EXACT LENGTH TABLE (NO)
41: RANGE (NO)
41: ALLOWABLE ENTRY (NO)
41: SUBSTITUTION (NO)
41: JUSTIFICATION (LEFT)
41: FILL CHARACTER ()
41: FLOAT CHARACTER ()
41: DECIMAL POSITIONS (0)
41: SIGN POSITION (LEADING)
41: AUTO CLOSE (YES)
41: ARITHMETIC OPERATION (NO)
41: AUTO FILL-IN (NO)
41: NEXT PAGE NUMBER (YES - PAGE 4)
41: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

41: AUTO-INCREMENT (NO)
41: OUTPUT TO MEMORY CELL (NO)
41: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FIVE

42: TAB STOP (YES)
42: INPUT TYPE (KEYBOARD)
42: CHARACTER TYPE (PRINTABLE)
42: SECURITY FIELD (NO)
42: OVERRIDE ERROR FIELD (NO)
42: MINIMUM LENGTH (0)
42: EXACT LENGTH TABLE (NO)
42: RANGE (NO)
42: ALLOWABLE ENTRY (NO)
42: SUBSTITUTION (NO)
42: JUSTIFICATION (LEFT)
42: FILL CHARACTER ()
42: FLOAT CHARACTER ()
42: DECIMAL POSITIONS (0)
42: SIGN POSITION (LEADING)
42: AUTO CLOSE (YES)
42: ARITHMETIC OPERATION (NO)
42: AUTO FILL-IN (NO)
42: NEXT PAGE NUMBER (YES - PAGE 5)
42: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

42: AUTO-INCREMENT (NO)
42: OUTPUT TO MEMORY CELL (NO)
42: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SIX

BIOFORM-06

43: TAB STOP (YES)
43: INPUT TYPE (KEYBOARD)
43: CHARACTER TYPE (PRINTABLE)
43: SECURITY FIELD (NO)
43: OVERRIDE ERROR FIELD (NO)
43: MINIMUM LENGTH (0)
43: EXACT LENGTH TABLE (NO)
43: RANGE (NO)
43: ALLOWABLE ENTRY (NO)
43: SUBSTITUTION (NO)
43: JUSTIFICATION (LEFT)
43: FILL CHARACTER ()
43: FLOAT CHARACTER ()
43: DECIMAL POSITIONS (0)
43: SIGN POSITION (LEADING)
43: AUTO CLOSE (YES)
43: ARITHMETIC OPERATION (NO)
43: AUTO FILL-IN (NO)
43: NEXT PAGE NUMBER (YES - PAGE 6)
43: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X)))

43: AUTO-INCREMENT (NO)
43: OUTPUT TO MEMORY CELL (NO)
43: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SEVEN

44: TAB STOP (YES)
44: INPUT TYPE (KEYBOARD)
44: CHARACTER TYPE (PRINTABLE)
44: SECURITY FIELD (NO)
44: OVERRIDE ERROR FIELD (NO)
44: MINIMUM LENGTH (0)
44: EXACT LENGTH TABLE (NO)
44: RANGE (NO)
44: ALLOWABLE ENTRY (NO)
44: SUBSTITUTION (NO)
44: JUSTIFICATION (LEFT)
44: FILL CHARACTER ()
44: FLOAT CHARACTER ()
44: DECIMAL POSITIONS (0)
44: SIGN POSITION (LEADING)
44: AUTO CLOSE (YES)
44: ARITHMETIC OPERATION (NO)
44: AUTO FILL-IN (NO)
44: NEXT PAGE NUMBER (YES - PAGE 7)
44: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X)))

44: AUTO-INCREMENT (NO)
44: OUTPUT TO MEMORY CELL (NO)
44: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
EIGHT

BIOFORM-06

45: TAB STOP (YES)
45: INPUT TYPE (KEYBOARD)
45: CHARACTER TYPE (PRINTABLE)
45: SECURITY FIELD (NO)
45: OVERRIDE ERROR FIELD (NO)
45: MINIMUM LENGTH (0)
45: EXACT LENGTH TABLE (NO)
45: RANGE (NO)
45: ALLOWABLE ENTRY (NO)
45: SUBSTITUTION (NO)
45: JUSTIFICATION (LEFT)
45: FILL CHARACTER ()
45: FLOAT CHARACTER ()
45: DECIMAL POSITIONS (0)
45: SIGN POSITION (LEADING)
45: AUTO CLOSE (YES)
45: ARITHMETIC OPERATION (NO)
45: AUTO FILL-IN (NO)
45: NEXT PAGE NUMBER (NO)
45: BRANCHING (NO)

45: AUTO-INCREMENT (NO)
45: OUTPUT TO MEMORY CELL (NO)
45: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
NINE

46: TAB STOP (YES)
46: INPUT TYPE (KEYBOARD)
46: CHARACTER TYPE (PRINTABLE)
46: SECURITY FIELD (NO)
46: OVERRIDE ERROR FIELD (NO)
46: MINIMUM LENGTH (0)
46: EXACT LENGTH TABLE (NO)
46: RANGE (NO)
46: ALLOWABLE ENTRY (NO)
46: SUBSTITUTION (NO)
46: JUSTIFICATION (LEFT)
46: FILL CHARACTER ()
46: FLOAT CHARACTER ()
46: DECIMAL POSITIONS (0)
46: SIGN POSITION (LEADING)
46: AUTO CLOSE (YES)
46: ARITHMETIC OPERATION (NO)
46: AUTO FILL-IN (NO)
46: NEXT PAGE NUMBER (YES - PAGE 8)
46: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

46: AUTO-INCREMENT (NO)
46: OUTPUT TO MEMORY CELL (NO)
46: OUTPUT TO DISKETTE (NO)

LAYOUT FILE

BIOLOGICAL DATA-SHORT FORM

ACTION FIELD <	RECORD TYPE <	SEQUENCE NO: <<	COLLECTION NO <<<<
REPLICATE <<	SPECIES <<<<<<<<<<<<	STATUS <	FIRST LINE NO <<<

01:	FREQUENCY	LENGTH	SEX	MATURITY
02:	FREQUENCY	LENGTH	SEX	MATURITY
03:	FREQUENCY	LENGTH	SEX	MATURITY
04:	FREQUENCY	LENGTH	SEX	MATURITY
05:	FREQUENCY	LENGTH	SEX	MATURITY
06:	FREQUENCY	LENGTH	SEX	MATURITY
07:	FREQUENCY	LENGTH	SEX	MATURITY
08:	FREQUENCY	LENGTH	SEX	MATURITY
09:	FREQUENCY	LENGTH	SEX	MATURITY
10:	FREQUENCY	LENGTH	SEX	MATURITY
11:	FREQUENCY	LENGTH	SEX	MATURITY

FIVE VVV

-----LOAD THE FOLLOWING RECORD TYPE-CHOOSE WITH AN 'X'-----
ONE < TWO < THREE < FOUR < FIVE < SIX < SEVEN < EIGHT < NINE <

BIOFORM - 07 ATTRIBUTES

ACTION FIELD

TAB STOP (YES)
 1: INPUT TYPE (KEYBOARD-CONSTANT:)
 1: CHARACTER TYPE (ALPHA)
 1: SECURITY FIELD (NO)
 1: OVERRIDE ERROR FIELD (NO)
 1: MINIMUM LENGTH (0)
 1: EXACT LENGTH TABLE (NO)
 1: RANGE (NO)
 1: ALLOWABLE ENTRY (YES:
 DRIVE: 1 FILE: ACTION)
 1: SUBSTITUTION (NO)
 1: JUSTIFICATION (LEFT)
 1: FILL CHARACTER ()
 1: FLOAT CHARACTER ()
 1: DECIMAL POSITIONS (0)
 1: SIGN POSITION (LEADING)
 1: AUTO CLOSE (YES)
 1: ARITHMETIC OPERATION (NO)
 1: AUTO FILL-IN (NO)
 1: NEXT PAGE NUMBER (NO)
 1: BRANCHING (NO)
 1: AUTO-INCREMENT (NO)
 1: OUTPUT TO MEMORY CELL (NO)
 1: OUTPUT TO DISKETTE (YES)

RECORD TYPE

2: TAB STOP (YES)
 2: INPUT TYPE (CONSTANT: 7)
 2: CHARACTER TYPE (PRINTABLE)
 2: SECURITY FIELD (NO)
 2: OVERRIDE ERROR FIELD (NO)
 2: MINIMUM LENGTH (0)
 2: EXACT LENGTH TABLE (NO)
 2: RANGE (NO)
 2: ALLOWABLE ENTRY (NO)
 2: SUBSTITUTION (NO)
 2: JUSTIFICATION (LEFT)
 2: FILL CHARACTER ()
 2: FLOAT CHARACTER ()
 2: DECIMAL POSITIONS (0)
 2: SIGN POSITION (LEADING)
 2: AUTO CLOSE (YES)
 2: ARITHMETIC OPERATION (NO)
 2: AUTO FILL-IN (NO)
 2: NEXT PAGE NUMBER (NO)
 2: BRANCHING (NO)
 2: AUTO-INCREMENT (NO)
 2: OUTPUT TO MEMORY CELL (NO)
 2: OUTPUT TO DISKETTE (YES)

BIOFORM-07

SEQUENCE
NO: YEAR

3: TAB STOP (YES)
3: INPUT TYPE (MEMORY CELL # 1)
3: CHARACTER TYPE (PRINTABLE)
3: SECURITY FIELD (NO)
3: OVERRIDE ERROR FIELD (NO)
3: MINIMUM LENGTH (0)
3: EXACT LENGTH TABLE (NO)
3: RANGE (NO)
3: ALLOWABLE ENTRY (NO)
3: SUBSTITUTION (NO)
3: JUSTIFICATION (LEFT)
3: FILL CHARACTER ()
3: FLOAT CHARACTER ()
3: DECIMAL POSITIONS (0)
3: SIGN POSITION (LEADING)
3: AUTO CLOSE (YES)
3: ARITHMETIC OPERATION (NO)
3: AUTO FILL-IN (NO)
3: NEXT PAGE NUMBER (NO)
3: BRANCHING (NO)
3: AUTO-INCREMENT (NO)
3: OUTPUT TO MEMORY CELL (NO)
3: OUTPUT TO DISKETTE (YES)

COLLECTION
NO

4: TAB STOP (YES)
4: INPUT TYPE (MEMORY CELL # 2)
4: CHARACTER TYPE (PRINTABLE)
4: SECURITY FIELD (NO)
4: OVERRIDE ERROR FIELD (NO)
4: MINIMUM LENGTH (0)
4: EXACT LENGTH TABLE (NO)
4: RANGE (NO)
4: ALLOWABLE ENTRY (NO)
4: SUBSTITUTION (NO)
4: JUSTIFICATION (LEFT)
4: FILL CHARACTER ()
4: FLOAT CHARACTER ()
4: DECIMAL POSITIONS (0)
4: SIGN POSITION (LEADING)
4: AUTO CLOSE (YES)
4: ARITHMETIC OPERATION (NO)
4: AUTO FILL-IN (NO)
4: NEXT PAGE NUMBER (NO)
4: BRANCHING (NO)
4: AUTO-INCREMENT (NO)
4: OUTPUT TO MEMORY CELL (NO)
4: OUTPUT TO DISKETTE (YES)

BIOFORM-07

REPLICATE

5: TAB STOP (YES)
 5: INPUT TYPE (MEMORY CELL # 3)
 5: CHARACTER TYPE (PRINTABLE)
 5: SECURITY FIELD (NO)
 5: OVERRIDE ERROR FIELD (NO)
 5: MINIMUM LENGTH (0)
 5: EXACT LENGTH TABLE (NO)
 5: RANGE (NO)
 5: ALLOWABLE ENTRY (NO)
 5: SUBSTITUTION (NO)
 5: JUSTIFICATION (LEFT)
 5: FILL CHARACTER ()
 5: FLOAT CHARACTER ()
 5: DECIMAL POSITIONS (0)
 5: SIGN POSITION (LEADING)
 5: AUTO CLOSE (YES)
 5: ARITHMETIC OPERATION (NO)
 5: AUTO FILL-IN (NO)
 5: NEXT PAGE NUMBER (NO)
 5: BRANCHING (NO)
 5: AUTO-INCREMENT (NO)
 5: OUTPUT TO MEMORY CELL (NO)
 5: OUTPUT TO DISKETTE (YES)

SPECIES

6: TAB STOP (YES)
 6: INPUT TYPE (MEMORY CELL # 4)
 6: CHARACTER TYPE (PRINTABLE)
 6: SECURITY FIELD (NO)
 6: OVERRIDE ERROR FIELD (NO)
 6: MINIMUM LENGTH (0)
 6: EXACT LENGTH TABLE (NO)
 6: RANGE (NO)
 6: ALLOWABLE ENTRY (NO)
 6: SUBSTITUTION (NO)
 6: JUSTIFICATION (LEFT)
 6: FILL CHARACTER ()
 6: FLOAT CHARACTER ()
 6: DECIMAL POSITIONS (0)
 6: SIGN POSITION (LEADING)
 6: AUTO CLOSE (YES)
 6: ARITHMETIC OPERATION (NO)
 6: AUTO FILL-IN (NO)
 6: NEXT PAGE NUMBER (NO)
 6: BRANCHING (NO)
 6: AUTO-INCREMENT (NO)
 6: OUTPUT TO MEMORY CELL (NO)
 6: OUTPUT TO DISKETTE (YES)

BIOFORM-07

STATUS

7: TAB STOP (YES)
 7: INPUT TYPE (MEMORY CELL # 5)
 7: CHARACTER TYPE (PRINTABLE)
 7: SECURITY FIELD (NO)
 7: OVERRIDE ERROR FIELD (NO)
 7: MINIMUM LENGTH (1)
 7: EXACT LENGTH TABLE (NO)
 7: RANGE (NO)
 7: ALLOWABLE ENTRY (NO)
 7: SUBSTITUTION (NO)
 7: JUSTIFICATION (LEFT)
 7: FILL CHARACTER ()
 7: FLOAT CHARACTER ()
 7: DECIMAL POSITIONS (0)
 7: SIGN POSITION (LEADING)
 7: AUTO CLOSE (YES)
 7: ARITHMETIC OPERATION (NO)
 7: AUTO FILL-IN (NO)
 7: NEXT PAGE NUMBER (NO)
 7: BRANCHING (NO)
 7: AUTO-INCREMENT (NO)
 7: OUTPUT TO MEMORY CELL (NO)
 7: OUTPUT TO DISKETTE (YES)

FIRST
 LINE NO

8: TAB STOP (YES)
 8: INPUT TYPE (KEYBOARD-CONSTANT: 001)
 8: CHARACTER TYPE (DIGIT)
 8: SECURITY FIELD (NO)
 8: OVERRIDE ERROR FIELD (NO)
 8: MINIMUM LENGTH (0)
 8: EXACT LENGTH TABLE (NO)
 8: RANGE (NO)
 8: ALLOWABLE ENTRY (NO)
 8: SUBSTITUTION (NO)
 8: JUSTIFICATION (RIGHT)
 8: FILL CHARACTER (0)
 8: FLOAT CHARACTER (0)
 8: DECIMAL POSITIONS (0)
 8: SIGN POSITION (LEADING)
 8: AUTO CLOSE (YES)
 8: ARITHMETIC OPERATION (NO)
 8: AUTO FILL-IN (NO)
 8: NEXT PAGE NUMBER (NO)
 8: BRANCHING (NO)
 8: AUTO-INCREMENT (NO)
 8: OUTPUT TO MEMORY CELL (NO)
 8: OUTPUT TO DISKETTE (YES)

BIOFORM-07

01. FREQUENCY

9: TAB STOP (YES)
 9: INPUT TYPE (KEYBOARD)
 9: CHARACTER TYPE (DIGIT)
 9: SECURITY FIELD (NO)
 9: OVERRIDE ERROR FIELD (YES)
 9: MINIMUM LENGTH (0)
 9: EXACT LENGTH TABLE (NO)
 9: RANGE (NO)
 9: ALLOWABLE ENTRY (NO)
 9: SUBSTITUTION (NO)
 9: JUSTIFICATION (RIGHT)
 9: FILL CHARACTER ()
 9: FLOAT CHARACTER ()
 9: DECIMAL POSITIONS (0)
 9: SIGN POSITION (LEADING)
 9: AUTO CLOSE (YES)
 9: ARITHMETIC OPERATION (NO)
 9: AUTO FILL-IN (NO)
 9: NEXT PAGE NUMBER (NO)
 9: BRANCHING (NO)
 9: AUTO-INCREMENT (NO)
 9: OUTPUT TO MEMORY CELL (NO)
 9: OUTPUT TO DISKETTE (YES)

01. LENGTH

10: TAB STOP (YES)
 10: INPUT TYPE (KEYBOARD)
 10: CHARACTER TYPE (DIGIT)
 10: SECURITY FIELD (NO)
 10: OVERRIDE ERROR FIELD (NO)
 10: MINIMUM LENGTH (0)
 10: EXACT LENGTH TABLE (NO)
 10: RANGE (NO)
 10: ALLOWABLE ENTRY (NO)
 10: SUBSTITUTION (NO)
 10: JUSTIFICATION (RIGHT)
 10: FILL CHARACTER ()
 10: FLOAT CHARACTER ()
 10: DECIMAL POSITIONS (0)
 10: SIGN POSITION (LEADING)
 10: AUTO CLOSE (YES)
 10: ARITHMETIC OPERATION (NO)
 10: AUTO FILL-IN (NO)
 10: NEXT PAGE NUMBER (NO)
 10: BRANCHING (NO)
 10: AUTO-INCREMENT (NO)
 10: OUTPUT TO MEMORY CELL (NO)
 10: OUTPUT TO DISKETTE (YES)

BIOFORM-07

01. SEX

11: TAB STOP (YES)
 11: INPUT TYPE (KEYBOARD)
 11: CHARACTER TYPE (DIGIT)
 11: SECURITY FIELD (NO)
 11: OVERRIDE ERROR FIELD (YES)
 11: MINIMUM LENGTH (0)
 11: EXACT LENGTH TABLE (NO)
 11: RANGE (NO)
 11: ALLOWABLE ENTRY (NO)
 11: SUBSTITUTION (NO)
 11: JUSTIFICATION (LEFT)
 11: FILL CHARACTER ()
 11: FLOAT CHARACTER ()
 11: DECIMAL POSITIONS (0)
 11: SIGN POSITION (LEADING)
 11: AUTO CLOSE (YES)
 11: ARITHMETIC OPERATION (NO)
 11: AUTO FILL-IN (NO)
 11: NEXT PAGE NUMBER (NO)
 11: BRANCHING (NO)
 11: AUTO-INCREMENT (NO)
 11: OUTPUT TO MEMORY CELL (NO)
 11: OUTPUT TO DISKETTE (YES)

01. MATURITY

12: TAB STOP (YES)
 12: INPUT TYPE (KEYBOARD)
 12: CHARACTER TYPE (DIGIT)
 12: SECURITY FIELD (NO)
 12: OVERRIDE ERROR FIELD (YES)
 12: MINIMUM LENGTH (0)
 12: EXACT LENGTH TABLE (NO)
 12: RANGE (NO)
 12: ALLOWABLE ENTRY (NO)
 12: SUBSTITUTION (NO)
 12: JUSTIFICATION (LEFT)
 12: FILL CHARACTER ()
 12: FLOAT CHARACTER ()
 12: DECIMAL POSITIONS (0)
 12: SIGN POSITION (LEADING)
 12: AUTO CLOSE (YES)
 12: ARITHMETIC OPERATION (NO)
 12: AUTO FILL-IN (NO)
 12: NEXT PAGE NUMBER (NO)
 12: BRANCHING (NO)
 12: AUTO-INCREMENT (NO)
 12: OUTPUT TO MEMORY CELL (NO)
 12: OUTPUT TO DISKETTE (YES)

BIOFORM-07

02. FREQUENCY

13: TAB STOP (YES)
 13: INPUT TYPE (KEYBOARD)
 13: CHARACTER TYPE (DIGIT)
 13: SECURITY FIELD (NO)
 13: OVERRIDE ERROR FIELD (YES)
 13: MINIMUM LENGTH (0)
 13: EXACT LENGTH TABLE (NO)
 13: RANGE (NO)
 13: ALLOWABLE ENTRY (NO)
 13: SUBSTITUTION (NO)
 13: JUSTIFICATION (RIGHT)
 13: FILL CHARACTER ()
 13: FLOAT CHARACTER ()
 13: DECIMAL POSITIONS (0)
 13: SIGN POSITION (LEADING)
 13: AUTO CLOSE (YES)
 13: ARITHMETIC OPERATION (NO)
 13: AUTO FILL-IN (NO)
 13: NEXT PAGE NUMBER (NO)
 13: BRANCHING (NO)
 13: AUTO-INCREMENT (NO)
 13: OUTPUT TO MEMORY CELL (NO)
 13: OUTPUT TO DISKETTE (YES)

02. LENGTH

14: TAB STOP (YES)
 14: INPUT TYPE (KEYBOARD)
 14: CHARACTER TYPE (DIGIT)
 14: SECURITY FIELD (NO)
 14: OVERRIDE ERROR FIELD (NO)
 14: MINIMUM LENGTH (0)
 14: EXACT LENGTH TABLE (NO)
 14: RANGE (NO)
 14: ALLOWABLE ENTRY (NO)
 14: SUBSTITUTION (NO)
 14: JUSTIFICATION (RIGHT)
 14: FILL CHARACTER ()
 14: FLOAT CHARACTER ()
 14: DECIMAL POSITIONS (0)
 14: SIGN POSITION (LEADING)
 14: AUTO CLOSE (YES)
 14: ARITHMETIC OPERATION (NO)
 14: AUTO FILL-IN (NO)
 14: NEXT PAGE NUMBER (NO)
 14: BRANCHING (NO)
 14: AUTO-INCREMENT (NO)
 14: OUTPUT TO MEMORY CELL (NO)
 14: OUTPUT TO DISKETTE (YES)

BIOFORM-07

02. SEX

15: TAB STOP (YES)
 15: INPUT TYPE (KEYBOARD)
 15: CHARACTER TYPE (DIGIT)
 15: SECURITY FIELD (NO)
 15: OVERRIDE ERROR FIELD (YES)
 15: MINIMUM LENGTH (0)
 15: EXACT LENGTH TABLE (NO)
 15: RANGE (NO)
 15: ALLOWABLE ENTRY (NO)
 15: SUBSTITUTION (NO)
 15: JUSTIFICATION (LEFT)
 15: FILL CHARACTER ()
 15: FLOAT CHARACTER ()
 15: DECIMAL POSITIONS (0)
 15: SIGN POSITION (LEADING)
 15: AUTO CLOSE (YES)
 15: ARITHMETIC OPERATION (NO)
 15: AUTO FILL-IN (NO)
 15: NEXT PAGE NUMBER (NO)
 15: BRANCHING (NO)
 15: AUTO-INCREMENT (NO)
 15: OUTPUT TO MEMORY CELL (NO)
 15: OUTPUT TO DISKETTE (YES)

02. MATURITY

16: TAB STOP (YES)
 16: INPUT TYPE (KEYBOARD)
 16: CHARACTER TYPE (DIGIT)
 16: SECURITY FIELD (NO)
 16: OVERRIDE ERROR FIELD (YES)
 16: MINIMUM LENGTH (0)
 16: EXACT LENGTH TABLE (NO)
 16: RANGE (NO)
 16: ALLOWABLE ENTRY (NO)
 16: SUBSTITUTION (NO)
 16: JUSTIFICATION (LEFT)
 16: FILL CHARACTER ()
 16: FLOAT CHARACTER ()
 16: DECIMAL POSITIONS (0)
 16: SIGN POSITION (LEADING)
 16: AUTO CLOSE (YES)
 16: ARITHMETIC OPERATION (NO)
 16: AUTO FILL-IN (NO)
 16: NEXT PAGE NUMBER (NO)
 16: BRANCHING (NO)
 16: AUTO-INCREMENT (NO)
 16: OUTPUT TO MEMORY CELL (NO)
 16: OUTPUT TO DISKETTE (YES)

BIOFORM-07

03.FREQUENCY

17: TAB STOP (YES)
 17: INPUT TYPE (KEYBOARD)
 17: CHARACTER TYPE (DIGIT)
 17: SECURITY FIELD (NO)
 17: OVERRIDE ERROR FIELD (YES)
 17: MINIMUM LENGTH (8)
 17: EXACT LENGTH TABLE (NO)
 17: RANGE (NO)
 17: ALLOWABLE ENTRY (NO)
 17: SUBSTITUTION (NO)
 17: JUSTIFICATION (RIGHT)
 17: FILL CHARACTER ()
 17: FLOAT CHARACTER ()
 17: DECIMAL POSITIONS (8)
 17: SIGN POSITION (LEADING)
 17: AUTO CLOSE (YES)
 17: ARITHMETIC OPERATION (NO)
 17: AUTO FILL-IN (NO)
 17: NEXT PAGE NUMBER (NO)
 17: BRANCHING (NO)
 17: AUTO-INCREMENT (NO)
 17: OUTPUT TO MEMORY CELL (NO)
 17: OUTPUT TO DISKETTE (YES)

03. LENGTH

18: TAB STOP (YES)
 18: INPUT TYPE (KEYBOARD)
 18: CHARACTER TYPE (DIGIT)
 18: SECURITY FIELD (NO)
 18: OVERRIDE ERROR FIELD (NO)
 18: MINIMUM LENGTH (8)
 18: EXACT LENGTH TABLE (NO)
 18: RANGE (NO)
 18: ALLOWABLE ENTRY (NO)
 18: SUBSTITUTION (NO)
 18: JUSTIFICATION (RIGHT)
 18: FILL CHARACTER ()
 18: FLOAT CHARACTER ()
 18: DECIMAL POSITIONS (8)
 18: SIGN POSITION (LEADING)
 18: AUTO CLOSE (YES)
 18: ARITHMETIC OPERATION (NO)
 18: AUTO FILL-IN (NO)
 18: NEXT PAGE NUMBER (NO)
 18: BRANCHING (NO)
 18: AUTO-INCREMENT (NO)
 18: OUTPUT TO MEMORY CELL (NO)
 18: OUTPUT TO DISKETTE (YES)

BIOFORM-07

03. SEX

19: TAB STOP (YES)
 19: INPUT TYPE (KEYBOARD)
 19: CHARACTER TYPE (DIGIT)
 19: SECURITY FIELD (NO)
 19: OVERRIDE ERROR FIELD (YES)
 19: MINIMUM LENGTH (0)
 19: EXACT LENGTH TABLE (NO)
 19: RANGE (NO)
 19: ALLOWABLE ENTRY (NO)
 19: SUBSTITUTION (NO)
 19: JUSTIFICATION (LEFT)
 19: FILL CHARACTER ()
 19: FLOAT CHARACTER ()
 19: DECIMAL POSITIONS (0)
 19: SIGN POSITION (LEADING)
 19: AUTO CLOSE (YES)
 19: ARITHMETIC OPERATION (NO)
 19: AUTO FILL-IN (NO)
 19: NEXT PAGE NUMBER (NO)
 19: BRANCHING (NO)
 19: AUTO-INCREMENT (NO)
 19: OUTPUT TO MEMORY CELL (NO)
 19: OUTPUT TO DISKETTE (YES)

03. MATURITY

20: TAB STOP (YES)
 20: INPUT TYPE (KEYBOARD)
 20: CHARACTER TYPE (DIGIT)
 20: SECURITY FIELD (NO)
 20: OVERRIDE ERROR FIELD (YES)
 20: MINIMUM LENGTH (0)
 20: EXACT LENGTH TABLE (NO)
 20: RANGE (NO)
 20: ALLOWABLE ENTRY (NO)
 20: SUBSTITUTION (NO)
 20: JUSTIFICATION (LEFT)
 20: FILL CHARACTER ()
 20: FLOAT CHARACTER ()
 20: DECIMAL POSITIONS (0)
 20: SIGN POSITION (LEADING)
 20: AUTO CLOSE (YES)
 20: ARITHMETIC OPERATION (NO)
 20: AUTO FILL-IN (NO)
 20: NEXT PAGE NUMBER (NO)
 20: BRANCHING (NO)
 20: AUTO-INCREMENT (NO)
 20: OUTPUT TO MEMORY CELL (NO)
 20: OUTPUT TO DISKETTE (YES)

BIOFORM-07

04. FREQUENCY

21: TAB STOP (YES)
 21: INPUT TYPE (KEYBOARD)
 21: CHARACTER TYPE (DIGIT)
 21: SECURITY FIELD (NO)
 21: OVERRIDE ERROR FIELD (YES)
 21: MINIMUM LENGTH (0)
 21: EXACT LENGTH TABLE (NO)
 21: RANGE (NO)
 21: ALLOWABLE ENTRY (NO)
 21: SUBSTITUTION (NO)
 21: JUSTIFICATION (RIGHT)
 21: FILL CHARACTER ()
 21: FLOAT CHARACTER ()
 21: DECIMAL POSITIONS (0)
 21: SIGN POSITION (LEADING)
 21: AUTO CLOSE (YES)
 21: ARITHMETIC OPERATION (NO)
 21: AUTO FILL-IN (NO)
 21: NEXT PAGE NUMBER (NO)
 21: BRANCHING (NO)
 21: AUTO-INCREMENT (NO)
 21: OUTPUT TO MEMORY CELL (NO)
 21: OUTPUT TO DISKETTE (YES)

04. LENGTH

22: TAB STOP (YES)
 22: INPUT TYPE (KEYBOARD)
 22: CHARACTER TYPE (DIGIT)
 22: SECURITY FIELD (NO)
 22: OVERRIDE ERROR FIELD (NO)
 22: MINIMUM LENGTH (0)
 22: EXACT LENGTH TABLE (NO)
 22: RANGE (NO)
 22: ALLOWABLE ENTRY (NO)
 22: SUBSTITUTION (NO)
 22: JUSTIFICATION (RIGHT)
 22: FILL CHARACTER ()
 22: FLOAT CHARACTER ()
 22: DECIMAL POSITIONS (0)
 22: SIGN POSITION (LEADING)
 22: AUTO CLOSE (YES)
 22: ARITHMETIC OPERATION (NO)
 22: AUTO FILL-IN (NO)
 22: NEXT PAGE NUMBER (NO)
 22: BRANCHING (NO)
 22: AUTO-INCREMENT (NO)
 22: OUTPUT TO MEMORY CELL (NO)
 22: OUTPUT TO DISKETTE (YES)

BIOFORM-07

04. SEX

23: TAB STOP (YES)
 23: INPUT TYPE (KEYBOARD)
 23: CHARACTER TYPE (DIGIT)
 23: SECURITY FIELD (NO)
 23: OVERRIDE ERROR FIELD (YES)
 23: MINIMUM LENGTH (0)
 23: EXACT LENGTH TABLE (NO)
 23: RANGE (NO)
 23: ALLOWABLE ENTRY (NO)
 23: SUBSTITUTION (NO)
 23: JUSTIFICATION (LEFT)
 23: FILL CHARACTER ()
 23: FLOAT CHARACTER ()
 23: DECIMAL POSITIONS (0)
 23: SIGN POSITION (LEADING)
 23: AUTO CLOSE (YES)
 23: ARITHMETIC OPERATION (NO)
 23: AUTO FILL-IN (NO)
 23: NEXT PAGE NUMBER (NO)
 23: BRANCHING (NO)
 23: AUTO-INCREMENT (NO)
 23: OUTPUT TO MEMORY CELL (NO)
 23: OUTPUT TO DISKETTE (YES)

04: MATURITY

24: TAB STOP (YES)
 24: INPUT TYPE (KEYBOARD)
 24: CHARACTER TYPE (DIGIT)
 24: SECURITY FIELD (NO)
 24: OVERRIDE ERROR FIELD (YES)
 24: MINIMUM LENGTH (0)
 24: EXACT LENGTH TABLE (NO)
 24: RANGE (NO)
 24: ALLOWABLE ENTRY (NO)
 24: SUBSTITUTION (NO)
 24: JUSTIFICATION (LEFT)
 24: FILL CHARACTER ()
 24: FLOAT CHARACTER ()
 24: DECIMAL POSITIONS (0)
 24: SIGN POSITION (LEADING)
 24: AUTO CLOSE (YES)
 24: ARITHMETIC OPERATION (NO)
 24: AUTO FILL-IN (NO)
 24: NEXT PAGE NUMBER (NO)
 24: BRANCHING (NO)
 24: AUTO-INCREMENT (NO)
 24: OUTPUT TO MEMORY CELL (NO)
 24: OUTPUT TO DISKETTE (YES)

BIOFORM-07

05. FREQUENCY

25: TAB STOP (YES)
 25: INPUT TYPE (KEYBOARD)
 25: CHARACTER TYPE (DIGIT)
 25: SECURITY FIELD (NO)
 25: OVERRIDE ERROR FIELD (YES)
 25: MINIMUM LENGTH (0)
 25: EXACT LENGTH TABLE (NO)
 25: RANGE (NO)
 25: ALLOWABLE ENTRY (NO)
 25: SUBSTITUTION (NO)
 25: JUSTIFICATION (RIGHT)
 25: FILL CHARACTER ()
 25: FLOAT CHARACTER ()
 25: DECIMAL POSITIONS (0)
 25: SIGN POSITION (LEADING)
 25: AUTO CLOSE (YES)
 25: ARITHMETIC OPERATION (NO)
 25: AUTO FILL-IN (NO)
 25: NEXT PAGE NUMBER (NO)
 25: BRANCHING (NO)
 25: AUTO-INCREMENT (NO)
 25: OUTPUT TO MEMORY CELL (NO)
 25: OUTPUT TO DISKETTE (YES)

05. LENGTH

26: TAB STOP (YES)
 26: INPUT TYPE (KEYBOARD)
 26: CHARACTER TYPE (DIGIT)
 26: SECURITY FIELD (NO)
 26: OVERRIDE ERROR FIELD (NO)
 26: MINIMUM LENGTH (0)
 26: EXACT LENGTH TABLE (NO)
 26: RANGE (NO)
 26: ALLOWABLE ENTRY (NO)
 26: SUBSTITUTION (NO)
 26: JUSTIFICATION (RIGHT)
 26: FILL CHARACTER ()
 26: FLOAT CHARACTER ()
 26: DECIMAL POSITIONS (0)
 26: SIGN POSITION (LEADING)
 26: AUTO CLOSE (YES)
 26: ARITHMETIC OPERATION (NO)
 26: AUTO FILL-IN (NO)
 26: NEXT PAGE NUMBER (NO)
 26: BRANCHING (NO)
 26: AUTO-INCREMENT (NO)
 26: OUTPUT TO MEMORY CELL (NO)
 26: OUTPUT TO DISKETTE (YES)

BIOFORM-07

05. SEX

27: TAB STOP (YES)
 27: INPUT TYPE (KEYBOARD)
 27: CHARACTER TYPE (DIGIT)
 27: SECURITY FIELD (NO)
 27: OVERRIDE ERROR FIELD (YES)
 27: MINIMUM LENGTH (0)
 27: EXACT LENGTH TABLE (NO)
 27: RANGE (NO)
 27: ALLOWABLE ENTRY (NO)
 27: SUBSTITUTION (NO)
 27: JUSTIFICATION (LEFT)
 27: FILL CHARACTER ()
 27: FLOAT CHARACTER ()
 27: DECIMAL POSITIONS (0)
 27: SIGN POSITION (LEADING)
 27: AUTO CLOSE (YES)
 27: ARITHMETIC OPERATION (NO)
 27: AUTO FILL-IN (NO)
 27: NEXT PAGE NUMBER (NO)
 27: BRANCHING (NO)
 27: AUTO-INCREMENT (NO)
 27: OUTPUT TO MEMORY CELL (NO)
 27: OUTPUT TO DISKETTE (YES)

05. MATURITY

28: TAB STOP (YES)
 28: INPUT TYPE (KEYBOARD)
 28: CHARACTER TYPE (DIGIT)
 28: SECURITY FIELD (NO)
 28: OVERRIDE ERROR FIELD (YES)
 28: MINIMUM LENGTH (0)
 28: EXACT LENGTH TABLE (NO)
 28: RANGE (NO)
 28: ALLOWABLE ENTRY (NO)
 28: SUBSTITUTION (NO)
 28: JUSTIFICATION (LEFT)
 28: FILL CHARACTER ()
 28: FLOAT CHARACTER ()
 28: DECIMAL POSITIONS (0)
 28: SIGN POSITION (LEADING)
 28: AUTO CLOSE (YES)
 28: ARITHMETIC OPERATION (NO)
 28: AUTO FILL-IN (NO)
 28: NEXT PAGE NUMBER (NO)
 28: BRANCHING (NO)
 28: AUTO-INCREMENT (NO)
 28: OUTPUT TO MEMORY CELL (NO)
 28: OUTPUT TO DISKETTE (YES)

BIOFORM-07

06. FREQUENCY

29: TAB STOP (YES)
 29: INPUT TYPE (KEYBOARD)
 29: CHARACTER TYPE (DIGIT)
 29: SECURITY FIELD (NO)
 29: OVERRIDE ERROR FIELD (YES)
 29: MINIMUM LENGTH (0)
 29: EXACT LENGTH TABLE (NO)
 29: RANGE (NO)
 29: ALLOWABLE ENTRY (NO)
 29: SUBSTITUTION (NO)
 29: JUSTIFICATION (RIGHT)
 29: FILL CHARACTER ()
 29: FLOAT CHARACTER ()
 29: DECIMAL POSITIONS (0)
 29: SIGN POSITION (LEADING)
 29: AUTO CLOSE (YES)
 29: ARITHMETIC OPERATION (NO)
 29: AUTO FILL-IN (NO)
 29: NEXT PAGE NUMBER (NO)
 29: BRANCHING (NO)
 29: AUTO-INCREMENT (NO)
 29: OUTPUT TO MEMORY CELL (NO)
 29: OUTPUT TO DISKETTE (YES)

06. LENGTH

30: TAB STOP (YES)
 30: INPUT TYPE (KEYBOARD)
 30: CHARACTER TYPE (DIGIT)
 30: SECURITY FIELD (NO)
 30: OVERRIDE ERROR FIELD (NO)
 30: MINIMUM LENGTH (0)
 30: EXACT LENGTH TABLE (NO)
 30: RANGE (NO)
 30: ALLOWABLE ENTRY (NO)
 30: SUBSTITUTION (NO)
 30: JUSTIFICATION (RIGHT)
 30: FILL CHARACTER ()
 30: FLOAT CHARACTER ()
 30: DECIMAL POSITIONS (0)
 30: SIGN POSITION (LEADING)
 30: AUTO CLOSE (YES)
 30: ARITHMETIC OPERATION (NO)
 30: AUTO FILL-IN (NO)
 30: NEXT PAGE NUMBER (NO)
 30: BRANCHING (NO)
 30: AUTO-INCREMENT (NO)
 30: OUTPUT TO MEMORY CELL (NO)
 30: OUTPUT TO DISKETTE (YES)

BIOFORM-07

06. SEX

31: TAB STOP (YES)
 31: INPUT TYPE (KEYBOARD)
 31: CHARACTER TYPE (DIGIT)
 31: SECURITY FIELD (NO)
 31: OVERRIDE ERROR FIELD (YES)
 31: MINIMUM LENGTH (0)
 31: EXACT LENGTH TABLE (NO)
 31: RANGE (NO)
 31: ALLOWABLE ENTRY (NO)
 31: SUBSTITUTION (NO)
 31: JUSTIFICATION (LEFT)
 31: FILL CHARACTER ()
 31: FLOAT CHARACTER ()
 31: DECIMAL POSITIONS (0)
 31: SIGN POSITION (LEADING)
 31: AUTO CLOSE (YES)
 31: ARITHMETIC OPERATION (NO)
 31: AUTO FILL-IN (NO)
 31: NEXT PAGE NUMBER (NO)
 31: BRANCHING (NO)
 31: AUTO-INCREMENT (NO)
 31: OUTPUT TO MEMORY CELL (NO)
 31: OUTPUT TO DISKETTE (YES)

06. MATURITY

32: TAB STOP (YES)
 32: INPUT TYPE (KEYBOARD)
 32: CHARACTER TYPE (DIGIT)
 32: SECURITY FIELD (NO)
 32: OVERRIDE ERROR FIELD (YES)
 32: MINIMUM LENGTH (0)
 32: EXACT LENGTH TABLE (NO)
 32: RANGE (NO)
 32: ALLOWABLE ENTRY (NO)
 32: SUBSTITUTION (NO)
 32: JUSTIFICATION (LEFT)
 32: FILL CHARACTER ()
 32: FLOAT CHARACTER ()
 32: DECIMAL POSITIONS (0)
 32: SIGN POSITION (LEADING)
 32: AUTO CLOSE (YES)
 32: ARITHMETIC OPERATION (NO)
 32: AUTO FILL-IN (NO)
 32: NEXT PAGE NUMBER (NO)
 32: BRANCHING (NO)
 32: AUTO-INCREMENT (NO)
 32: OUTPUT TO MEMORY CELL (NO)
 32: OUTPUT TO DISKETTE (YES)

BIOFORM-07

07. FREQUENCY

33: TAB STOP (YES)
 33: INPUT TYPE (KEYBOARD)
 33: CHARACTER TYPE (DIGIT)
 33: SECURITY FIELD (NO)
 33: OVERRIDE ERROR FIELD (YES)
 33: MINIMUM LENGTH (0)
 33: EXACT LENGTH TABLE (NO)
 33: RANGE (NO)
 33: ALLOWABLE ENTRY (NO)
 33: SUBSTITUTION (NO)
 33: JUSTIFICATION (RIGHT)
 33: FILL CHARACTER ()
 33: FLOAT CHARACTER ()
 33: DECIMAL POSITIONS (0)
 33: SIGN POSITION (LEADING)
 33: AUTO CLOSE (YES)
 33: ARITHMETIC OPERATION (NO)
 33: AUTO FILL-IN (NO)
 33: NEXT PAGE NUMBER (NO)
 33: BRANCHING (NO)
 33: AUTO-INCREMENT (NO)
 33: OUTPUT TO MEMORY CELL (NO)
 33: OUTPUT TO DISKETTE (YES)

07. LENGTH

34: TAB STOP (YES)
 34: INPUT TYPE (KEYBOARD)
 34: CHARACTER TYPE (DIGIT)
 34: SECURITY FIELD (NO)
 34: OVERRIDE ERROR FIELD (NO)
 34: MINIMUM LENGTH (0)
 34: EXACT LENGTH TABLE (NO)
 34: RANGE (NO)
 34: ALLOWABLE ENTRY (NO)
 34: SUBSTITUTION (NO)
 34: JUSTIFICATION (RIGHT)
 34: FILL CHARACTER ()
 34: FLOAT CHARACTER ()
 34: DECIMAL POSITIONS (0)
 34: SIGN POSITION (LEADING)
 34: AUTO CLOSE (YES)
 34: ARITHMETIC OPERATION (NO)
 34: AUTO FILL-IN (NO)
 34: NEXT PAGE NUMBER (NO)
 34: BRANCHING (NO)
 34: AUTO-INCREMENT (NO)
 34: OUTPUT TO MEMORY CELL (NO)
 34: OUTPUT TO DISKETTE (YES)

BIOFORM-07

07. SEX

35: TAB STOP (YES)
 35: INPUT TYPE (KEYBOARD)
 35: CHARACTER TYPE (DIGIT)
 35: SECURITY FIELD (NO)
 35: OVERRIDE ERROR FIELD (YES)
 35: MINIMUM LENGTH (0)
 35: EXACT LENGTH TABLE (NO)
 35: RANGE (NO)
 35: ALLOWABLE ENTRY (NO)
 35: SUBSTITUTION (NO)
 35: JUSTIFICATION (LEFT)
 35: FILL CHARACTER ()
 35: FLOAT CHARACTER ()
 35: DECIMAL POSITIONS (0)
 35: SIGN POSITION (LEADING)
 35: AUTO CLOSE (YES)
 35: ARITHMETIC OPERATION (NO)
 35: AUTO FILL-IN (NO)
 35: NEXT PAGE NUMBER (NO)
 35: BRANCHING (NO)
 35: AUTO-INCREMENT (NO)
 35: OUTPUT TO MEMORY CELL (NO)
 35: OUTPUT TO DISKETTE (YES)

07. MATURITY

36: TAB STOP (YES)
 36: INPUT TYPE (KEYBOARD)
 36: CHARACTER TYPE (DIGIT)
 36: SECURITY FIELD (NO)
 36: OVERRIDE ERROR FIELD (YES)
 36: MINIMUM LENGTH (0)
 36: EXACT LENGTH TABLE (NO)
 36: RANGE (NO)
 36: ALLOWABLE ENTRY (NO)
 36: SUBSTITUTION (NO)
 36: JUSTIFICATION (LEFT)
 36: FILL CHARACTER ()
 36: FLOAT CHARACTER ()
 36: DECIMAL POSITIONS (0)
 36: SIGN POSITION (LEADING)
 36: AUTO CLOSE (YES)
 36: ARITHMETIC OPERATION (NO)
 36: AUTO FILL-IN (NO)
 36: NEXT PAGE NUMBER (NO)
 36: BRANCHING (NO)
 36: AUTO-INCREMENT (NO)
 36: OUTPUT TO MEMORY CELL (NO)
 36: OUTPUT TO DISKETTE (YES)

BIOFORM-07

08. FREQUENCY

37: TAB STOP (YES)
 37: INPUT TYPE (KEYBOARD)
 37: CHARACTER TYPE (DIGIT)
 37: SECURITY FIELD (NO)
 37: OVERRIDE ERROR FIELD (YES)
 37: MINIMUM LENGTH (0)
 37: EXACT LENGTH TABLE (NO)
 37: RANGE (NO)
 37: ALLOWABLE ENTRY (NO)
 37: SUBSTITUTION (NO)
 37: JUSTIFICATION (RIGHT)
 37: FILL CHARACTER ()
 37: FLOAT CHARACTER ()
 37: DECIMAL POSITIONS (0)
 37: SIGN POSITION (LEADING)
 37: AUTO CLOSE (YES)
 37: ARITHMETIC OPERATION (NO)
 37: AUTO FILL-IN (NO)
 37: NEXT PAGE NUMBER (NO)
 37: BRANCHING (NO)
 37: AUTO-INCREMENT (NO)
 37: OUTPUT TO MEMORY CELL (NO)
 37: OUTPUT TO DISKETTE (YES)

08. LENGTH

38: TAB STOP (YES)
 38: INPUT TYPE (KEYBOARD)
 38: CHARACTER TYPE (DIGIT)
 38: SECURITY FIELD (NO)
 38: OVERRIDE ERROR FIELD (NO)
 38: MINIMUM LENGTH (0)
 38: EXACT LENGTH TABLE (NO)
 38: RANGE (NO)
 38: ALLOWABLE ENTRY (NO)
 38: SUBSTITUTION (NO)
 38: JUSTIFICATION (RIGHT)
 38: FILL CHARACTER ()
 38: FLOAT CHARACTER ()
 38: DECIMAL POSITIONS (0)
 38: SIGN POSITION (LEADING)
 38: AUTO CLOSE (YES)
 38: ARITHMETIC OPERATION (NO)
 38: AUTO FILL-IN (NO)
 38: NEXT PAGE NUMBER (NO)
 38: BRANCHING (NO)
 38: AUTO-INCREMENT (NO)
 38: OUTPUT TO MEMORY CELL (NO)
 38: OUTPUT TO DISKETTE (YES)

BIOFORM-07

08. SEX

39: TAB STOP (YES)
 39: INPUT TYPE (KEYBOARD)
 39: CHARACTER TYPE (DIGIT)
 39: SECURITY FIELD (NO)
 39: OVERRIDE ERROR FIELD (YES)
 39: MINIMUM LENGTH (0)
 39: EXACT LENGTH TABLE (NO)
 39: RANGE (NO)
 39: ALLOWABLE ENTRY (NO)
 39: SUBSTITUTION (NO)
 39: JUSTIFICATION (LEFT)
 39: FILL CHARACTER ()
 39: FLOAT CHARACTER ()
 39: DECIMAL POSITIONS (0)
 39: SIGN POSITION (LEADING)
 39: AUTO CLOSE (YES)
 39: ARITHMETIC OPERATION (NO)
 39: AUTO FILL-IN (NO)
 39: NEXT PAGE NUMBER (NO)
 39: BRANCHING (NO)
 39: AUTO-INCREMENT (NO)
 39: OUTPUT TO MEMORY CELL (NO)
 39: OUTPUT TO DISKETTE (YES)

08. MATURITY

40: TAB STOP (YES)
 40: INPUT TYPE (KEYBOARD)
 40: CHARACTER TYPE (DIGIT)
 40: SECURITY FIELD (NO)
 40: OVERRIDE ERROR FIELD (YES)
 40: MINIMUM LENGTH (0)
 40: EXACT LENGTH TABLE (NO)
 40: RANGE (NO)
 40: ALLOWABLE ENTRY (NO)
 40: SUBSTITUTION (NO)
 40: JUSTIFICATION (LEFT)
 40: FILL CHARACTER ()
 40: FLOAT CHARACTER ()
 40: DECIMAL POSITIONS (0)
 40: SIGN POSITION (LEADING)
 40: AUTO CLOSE (YES)
 40: ARITHMETIC OPERATION (NO)
 40: AUTO FILL-IN (NO)
 40: NEXT PAGE NUMBER (NO)
 40: BRANCHING (NO)
 40: AUTO-INCREMENT (NO)
 40: OUTPUT TO MEMORY CELL (NO)
 40: OUTPUT TO DISKETTE (YES)

09. FREQUENCY

41: TAB STOP (YES)
41: INPUT TYPE (KEYBOARD)
41: CHARACTER TYPE (DIGIT)
41: SECURITY FIELD (NO)
41: OVERRIDE ERROR FIELD (YES)
41: MINIMUM LENGTH (0)
41: EXACT LENGTH TABLE (NO)
41: RANGE (NO)
41: ALLOWABLE ENTRY (NO)
41: SUBSTITUTION (NO)
41: JUSTIFICATION (RIGHT)
41: FILL CHARACTER ()
41: FLOAT CHARACTER ()
41: DECIMAL POSITIONS (0)
41: SIGN POSITION (LEADING)
41: AUTO CLOSE (YES)
41: ARITHMETIC OPERATION (NO)
41: AUTO FILL-IN (NO)
41: NEXT PAGE NUMBER (NO)
41: BRANCHING (NO)
41: AUTO-INCREMENT (NO)
41: OUTPUT TO MEMORY CELL (NO)
41: OUTPUT TO DISKETTE (YES)

09. LENGTH

42: TAB STOP (YES)
42: INPUT TYPE (KEYBOARD)
42: CHARACTER TYPE (DIGIT)
42: SECURITY FIELD (NO)
42: OVERRIDE ERROR FIELD (NO)
42: MINIMUM LENGTH (0)
42: EXACT LENGTH TABLE (NO)
42: RANGE (NO)
42: ALLOWABLE ENTRY (NO)
42: SUBSTITUTION (NO)
42: JUSTIFICATION (RIGHT)
42: FILL CHARACTER ()
42: FLOAT CHARACTER ()
42: DECIMAL POSITIONS (0)
42: SIGN POSITION (LEADING)
42: AUTO CLOSE (YES)
42: ARITHMETIC OPERATION (NO)
42: AUTO FILL-IN (NO)
42: NEXT PAGE NUMBER (NO)
42: BRANCHING (NO)
42: AUTO-INCREMENT (NO)
42: OUTPUT TO MEMORY CELL (NO)
42: OUTPUT TO DISKETTE (YES)

09. SEX

43: TAB STOP (YES)
43: INPUT TYPE (KEYBOARD)
43: CHARACTER TYPE (DIGIT)
43: SECURITY FIELD (NO)
43: OVERRIDE ERROR FIELD (YES)
43: MINIMUM LENGTH (0)
43: EXACT LENGTH TABLE (NO)
43: RANGE (NO)
43: ALLOWABLE ENTRY (NO)
43: SUBSTITUTION (NO)
43: JUSTIFICATION (LEFT)
43: FILL CHARACTER ()
43: FLOAT CHARACTER ()
43: DECIMAL POSITIONS (0)
43: SIGN POSITION (LEADING)
43: AUTO CLOSE (YES)
43: ARITHMETIC OPERATION (NO)
43: AUTO FILL-IN (NO)
43: NEXT PAGE NUMBER (NO)
43: BRANCHING (NO)
43: AUTO-INCREMENT (NO)
43: OUTPUT TO MEMORY CELL (NO)
43: OUTPUT TO DISKETTE (YES)

09. MATURITY

44: TAB STOP (YES)
44: INPUT TYPE (KEYBOARD)
44: CHARACTER TYPE (DIGIT)
44: SECURITY FIELD (NO)
44: OVERRIDE ERROR FIELD (YES)
44: MINIMUM LENGTH (0)
44: EXACT LENGTH TABLE (NO)
44: RANGE (NO)
44: ALLOWABLE ENTRY (NO)
44: SUBSTITUTION (NO)
44: JUSTIFICATION (LEFT)
44: FILL CHARACTER ()
44: FLOAT CHARACTER ()
44: DECIMAL POSITIONS (0)
44: SIGN POSITION (LEADING)
44: AUTO CLOSE (YES)
44: ARITHMETIC OPERATION (NO)
44: AUTO FILL-IN (NO)
44: NEXT PAGE NUMBER (NO)
44: BRANCHING (NO)
44: AUTO-INCREMENT (NO)
44: OUTPUT TO MEMORY CELL (NO)
44: OUTPUT TO DISKETTE (YES)

BIOFORM-07

10. FREQUENCY

45: TAB STOP (YES)
 45: INPUT TYPE (KEYBOARD)
 45: CHARACTER TYPE (DIGIT)
 45: SECURITY FIELD (NO)
 45: OVERRIDE ERROR FIELD (YES)
 45: MINIMUM LENGTH (0)
 45: EXACT LENGTH TABLE (NO)
 45: RANGE (NO)
 45: ALLOWABLE ENTRY (NO)
 45: SUBSTITUTION (NO)
 45: JUSTIFICATION (RIGHT)
 45: FILL CHARACTER ()
 45: FLOAT CHARACTER ()
 45: DECIMAL POSITIONS (0)
 45: SIGN POSITION (LEADING)
 45: AUTO CLOSE (YES)
 45: ARITHMETIC OPERATION (NO)
 45: AUTO FILL-IN (NO)
 45: NEXT PAGE NUMBER (NO)
 45: BRANCHING (NO)
 45: AUTO-INCREMENT (NO)
 45: OUTPUT TO MEMORY CELL (NO)
 45: OUTPUT TO DISKETTE (YES)

10. LENGTH

46: TAB STOP (YES)
 46: INPUT TYPE (KEYBOARD)
 46: CHARACTER TYPE (DIGIT)
 46: SECURITY FIELD (NO)
 46: OVERRIDE ERROR FIELD (NO)
 46: MINIMUM LENGTH (0)
 46: EXACT LENGTH TABLE (NO)
 46: RANGE (NO)
 46: ALLOWABLE ENTRY (NO)
 46: SUBSTITUTION (NO)
 46: JUSTIFICATION (RIGHT)
 46: FILL CHARACTER ()
 46: FLOAT CHARACTER ()
 46: DECIMAL POSITIONS (0)
 46: SIGN POSITION (LEADING)
 46: AUTO CLOSE (YES)
 46: ARITHMETIC OPERATION (NO)
 46: AUTO FILL-IN (NO)
 46: NEXT PAGE NUMBER (NO)
 46: BRANCHING (NO)
 46: AUTO-INCREMENT (NO)
 46: OUTPUT TO MEMORY CELL (NO)
 46: OUTPUT TO DISKETTE (YES)

10. SEX

47: TAB STOP (YES)
 47: INPUT TYPE (KEYBOARD)
 47: CHARACTER TYPE (DIGIT)
 47: SECURITY FIELD (NO)
 47: OVERRIDE ERROR FIELD (YES)
 47: MINIMUM LENGTH (0)
 47: EXACT LENGTH TABLE (NO)
 47: RANGE (NO)
 47: ALLOWABLE ENTRY (NO)
 47: SUBSTITUTION (NO)
 47: JUSTIFICATION (LEFT)
 47: FILL CHARACTER ()
 47: FLOAT CHARACTER ()
 47: DECIMAL POSITIONS (0)
 47: SIGN POSITION (LEADING)
 47: AUTO CLOSE (YES)
 47: ARITHMETIC OPERATION (NO)
 47: AUTO FILL-IN (NO)
 47: NEXT PAGE NUMBER (NO)
 47: BRANCHING (NO)
 47: AUTO-INCREMENT (NO)
 47: OUTPUT TO MEMORY CELL (NO)
 47: OUTPUT TO DISKETTE (YES)

10. MATURITY

48: TAB STOP (YES)
 48: INPUT TYPE (KEYBOARD)
 48: CHARACTER TYPE (DIGIT)
 48: SECURITY FIELD (NO)
 48: OVERRIDE ERROR FIELD (YES)
 48: MINIMUM LENGTH (0)
 48: EXACT LENGTH TABLE (NO)
 48: RANGE (NO)
 48: ALLOWABLE ENTRY (NO)
 48: SUBSTITUTION (NO)
 48: JUSTIFICATION (LEFT)
 48: FILL CHARACTER ()
 48: FLOAT CHARACTER ()
 48: DECIMAL POSITIONS (0)
 48: SIGN POSITION (LEADING)
 48: AUTO CLOSE (YES)
 48: ARITHMETIC OPERATION (NO)
 48: AUTO FILL-IN (NO)
 48: NEXT PAGE NUMBER (NO)
 48: BRANCHING (NO)
 48: AUTO-INCREMENT (NO)
 48: OUTPUT TO MEMORY CELL (NO)
 48: OUTPUT TO DISKETTE (YES)

BIOFORM-07.

11. FREQUENCY

49: TAB STOP (YES)
 49: INPUT TYPE (KEYBOARD)
 49: CHARACTER TYPE (DIGIT)
 49: SECURITY FIELD (NO)
 49: OVERRIDE ERROR FIELD (YES)
 49: MINIMUM LENGTH (0)
 49: EXACT LENGTH TABLE (NO)
 49: RANGE (NO)
 49: ALLOWABLE ENTRY (NO)
 49: SUBSTITUTION (NO)
 49: JUSTIFICATION (RIGHT)
 49: FILL CHARACTER ()
 49: FLOAT CHARACTER ()
 49: DECIMAL POSITIONS (0)
 49: SIGN POSITION (LEADING)
 49: AUTO CLOSE (YES)
 49: ARITHMETIC OPERATION (NO)
 49: AUTO FILL-IN (NO)
 49: NEXT PAGE NUMBER (NO)
 49: BRANCHING (NO)
 49: AUTO-INCREMENT (NO)
 49: OUTPUT TO MEMORY CELL (NO)
 49: OUTPUT TO DISKETTE (YES)

11. LENGTH

50: TAB STOP (YES)
 50: INPUT TYPE (KEYBOARD)
 50: CHARACTER TYPE (DIGIT)
 50: SECURITY FIELD (NO)
 50: OVERRIDE ERROR FIELD (NO)
 50: MINIMUM LENGTH (0)
 50: EXACT LENGTH TABLE (NO)
 50: RANGE (NO)
 50: ALLOWABLE ENTRY (NO)
 50: SUBSTITUTION (NO)
 50: JUSTIFICATION (RIGHT)
 50: FILL CHARACTER ()
 50: FLOAT CHARACTER ()
 50: DECIMAL POSITIONS (0)
 50: SIGN POSITION (LEADING)
 50: AUTO CLOSE (YES)
 50: ARITHMETIC OPERATION (NO)
 50: AUTO FILL-IN (NO)
 50: NEXT PAGE NUMBER (NO)
 50: BRANCHING (NO)
 50: AUTO-INCREMENT (NO)
 50: OUTPUT TO MEMORY CELL (NO)
 50: OUTPUT TO DISKETTE (YES)

11. SEX

51: TAB STOP (YES)
 51: INPUT TYPE (KEYBOARD)
 51: CHARACTER TYPE (DIGIT)
 51: SECURITY FIELD (NO)
 51: OVERRIDE ERROR FIELD (YES)
 51: MINIMUM LENGTH (0)
 51: EXACT LENGTH TABLE (NO)
 51: RANGE (NO)
 51: ALLOWABLE ENTRY (NO)
 51: SUBSTITUTION (NO)
 51: JUSTIFICATION (LEFT)
 51: FILL CHARACTER ()
 51: FLOAT CHARACTER ()
 51: DECIMAL POSITIONS (0)
 51: SIGN POSITION (LEADING)
 51: AUTO CLOSE (YES)
 51: ARITHMETIC OPERATION (NO)
 51: AUTO FILL-IN (NO)
 51: NEXT PAGE NUMBER (NO)
 51: BRANCHING (NO)
 51: AUTO-INCREMENT (NO)
 51: OUTPUT TO MEMORY CELL (NO)
 51: OUTPUT TO DISKETTE (YES)

11. MATURITY

52: TAB STOP (YES)
 52: INPUT TYPE (KEYBOARD)
 52: CHARACTER TYPE (DIGIT)
 52: SECURITY FIELD (NO)
 52: OVERRIDE ERROR FIELD (YES)
 52: MINIMUM LENGTH (0)
 52: EXACT LENGTH TABLE (NO)
 52: RANGE (NO)
 52: ALLOWABLE ENTRY (NO)
 52: SUBSTITUTION (NO)
 52: JUSTIFICATION (LEFT)
 52: FILL CHARACTER ()
 52: FLOAT CHARACTER ()
 52: DECIMAL POSITIONS (0)
 52: SIGN POSITION (LEADING)
 52: AUTO CLOSE (YES)
 52: ARITHMETIC OPERATION (NO)
 52: AUTO FILL-IN (NO)
 52: NEXT PAGE NUMBER (NO)
 52: BRANCHING (NO)
 52: AUTO-INCREMENT (NO)
 52: OUTPUT TO MEMORY CELL (NO)
 52: OUTPUT TO DISKETTE (YES)

BIOFORM-07

FILL

53: TAB STOP (YES)
 53: INPUT TYPE (CONSTANT:)
 53: CHARACTER TYPE (PRINTABLE)
 53: SECURITY FIELD (NO)
 53: OVERRIDE ERROR FIELD (NO)
 53: MINIMUM LENGTH (0)
 53: EXACT LENGTH TABLE (NO)
 53: RANGE (NO)
 53: ALLOWABLE ENTRY (NO)
 53: SUBSTITUTION (NO)
 53: JUSTIFICATION (LEFT)
 53: FILL CHARACTER ()
 53: FLOAT CHARACTER ()
 53: DECIMAL POSITIONS (0)
 53: SIGN POSITION (LEADING)
 53: AUTO CLOSE (YES)
 53: ARITHMETIC OPERATION (NO)
 53: AUTO FILL-IN (NO)
 53: NEXT PAGE NUMBER (NO)
 53: BRANCHING (NO)
 53: AUTO-INCREMENT (NO)
 53: OUTPUT TO MEMORY CELL (NO)
 53: OUTPUT TO DISKETTE (YES)

LOAD
 RECORD TYPE:
 ONE

54: TAB STOP (YES)
 54: INPUT TYPE (KEYBOARD)
 54: CHARACTER TYPE (PRINTABLE)
 54: SECURITY FIELD (NO)
 54: OVERRIDE ERROR FIELD (NO)
 54: MINIMUM LENGTH (0)
 54: EXACT LENGTH TABLE (NO)
 54: RANGE (NO)
 54: ALLOWABLE ENTRY (NO)
 54: SUBSTITUTION (NO)
 54: JUSTIFICATION (LEFT)
 54: FILL CHARACTER ()
 54: FLOAT CHARACTER ()
 54: DECIMAL POSITIONS (0)
 54: SIGN POSITION (LEADING)
 54: AUTO CLOSE (YES)
 54: ARITHMETIC OPERATION (NO)
 54: AUTO FILL-IN (NO)
 54: NEXT PAGE NUMBER (YES - PAGE 1)
 54: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
 BRANCH: MAXIMUM LENGTH (1)
 BRANCH: EXACT LENGTH TABLE (NO)
 BRANCH: RANGE (NO)
 BRANCH: ALLOWABLE ENTRY (YES - RAM:
 X:))
 54: AUTO-INCREMENT (NO)
 54: OUTPUT TO MEMORY CELL (NO)
 54: OUTPUT TO DISKETTE (NO)

BIOFORM-07

LOAD
RECORD TYPE:
TWO

55: TAB STOP (YES)
55: INPUT TYPE (KEYBOARD)
55: CHARACTER TYPE (PRINTABLE)
55: SECURITY FIELD (NO)
55: OVERRIDE ERROR FIELD (NO)
55: MINIMUM LENGTH (0)
55: EXACT LENGTH TABLE (NO)
55: RANGE (NO)
55: ALLOWABLE ENTRY (NO)
55: SUBSTITUTION (NO)
55: JUSTIFICATION (LEFT)
55: FILL CHARACTER ()
55: FLOAT CHARACTER ()
55: DECIMAL POSITIONS (0)
55: SIGN POSITION (LEADING)
55: AUTO CLOSE (YES)
55: ARITHMETIC OPERATION (NO)
55: AUTO FILL-IN (NO)
55: NEXT PAGE NUMBER (YES - PAGE 2)
55: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

55: AUTO-INCREMENT (NO)
55: OUTPUT TO MEMORY CELL (NO)
55: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
THREE

56: TAB STOP (YES)
56: INPUT TYPE (KEYBOARD)
56: CHARACTER TYPE (PRINTABLE)
56: SECURITY FIELD (NO)
56: OVERRIDE ERROR FIELD (NO)
56: MINIMUM LENGTH (0)
56: EXACT LENGTH TABLE (NO)
56: RANGE (NO)
56: ALLOWABLE ENTRY (NO)
56: SUBSTITUTION (NO)
56: JUSTIFICATION (LEFT)
56: FILL CHARACTER ()
56: FLOAT CHARACTER ()
56: DECIMAL POSITIONS (0)
56: SIGN POSITION (LEADING)
56: AUTO CLOSE (YES)
56: ARITHMETIC OPERATION (NO)
56: AUTO FILL-IN (NO)
56: NEXT PAGE NUMBER (YES - PAGE 3)
56: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

56: AUTO-INCREMENT (NO)
56: OUTPUT TO MEMORY CELL (NO)
56: OUTPUT TO DISKETTE (NO)

BIOFORM-07

LOAD
RECORD TYPE:
FOUR

57: TAB STOP (YES)
57: INPUT TYPE (KEYBOARD)
57: CHARACTER TYPE (PRINTABLE)
57: SECURITY FIELD (NO)
57: OVERRIDE ERROR FIELD (NO)
57: MINIMUM LENGTH (0)
57: EXACT LENGTH TABLE (NO)
57: RANGE (NO)
57: ALLOWABLE ENTRY (NO)
57: SUBSTITUTION (NO)
57: JUSTIFICATION (LEFT)
57: FILL CHARACTER ()
57: FLOAT CHARACTER ()
57: DECIMAL POSITIONS (0)
57: SIGN POSITION (LEADING)
57: AUTO CLOSE (YES)
57: ARITHMETIC OPERATION (NO)
57: AUTO FILL-IN (NO)
57: NEXT PAGE NUMBER (YES - PAGE 4)
57: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

57: AUTO-INCREMENT (NO)
57: OUTPUT TO MEMORY CELL (NO)
57: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FIVE

58: TAB STOP (YES)
58: INPUT TYPE (KEYBOARD)
58: CHARACTER TYPE (PRINTABLE)
58: SECURITY FIELD (NO)
58: OVERRIDE ERROR FIELD (NO)
58: MINIMUM LENGTH (0)
58: EXACT LENGTH TABLE (NO)
58: RANGE (NO)
58: ALLOWABLE ENTRY (NO)
58: SUBSTITUTION (NO)
58: JUSTIFICATION (LEFT)
58: FILL CHARACTER ()
58: FLOAT CHARACTER ()
58: DECIMAL POSITIONS (0)
58: SIGN POSITION (LEADING)
58: AUTO CLOSE (YES)
58: ARITHMETIC OPERATION (NO)
58: AUTO FILL-IN (NO)
58: NEXT PAGE NUMBER (YES - PAGE 5)
58: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

58: AUTO-INCREMENT (NO)
58: OUTPUT TO MEMORY CELL (NO)
58: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SIX

59: TAB STOP (YES)
59: INPUT TYPE (KEYBOARD)
59: CHARACTER TYPE (PRINTABLE)
59: SECURITY FIELD (NO)
59: OVERRIDE ERROR FIELD (NO)
59: MINIMUM LENGTH (0)
59: EXACT LENGTH TABLE (NO)
59: RANGE (NO)
59: ALLOWABLE ENTRY (NO)
59: SUBSTITUTION (NO)
59: JUSTIFICATION (LEFT)
59: FILL CHARACTER ()
59: FLOAT CHARACTER ()
59: DECIMAL POSITIONS (0)
59: SIGN POSITION (LEADING)
59: AUTO CLOSE (YES)
59: ARITHMETIC OPERATION (NO)
59: AUTO FILL-IN (NO)
59: NEXT PAGE NUMBER (YES - PAGE 6)
59: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

59: AUTO-INCREMENT (NO)
59: OUTPUT TO MEMORY CELL (NO)
59: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SEVEN

60: TAB STOP (YES)
60: INPUT TYPE (KEYBOARD)
60: CHARACTER TYPE (PRINTABLE)
60: SECURITY FIELD (NO)
60: OVERRIDE ERROR FIELD (NO)
60: MINIMUM LENGTH (0)
60: EXACT LENGTH TABLE (NO)
60: RANGE (NO)
60: ALLOWABLE ENTRY (NO)
60: SUBSTITUTION (NO)
60: JUSTIFICATION (LEFT)
60: FILL CHARACTER ()
60: FLOAT CHARACTER ()
60: DECIMAL POSITIONS (0)
60: SIGN POSITION (LEADING)
60: AUTO CLOSE (YES)
60: ARITHMETIC OPERATION (NO)
60: AUTO FILL-IN (NO)
60: NEXT PAGE NUMBER (YES - PAGE 7)
60: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

60: AUTO-INCREMENT (NO)
60: OUTPUT TO MEMORY CELL (NO)
60: OUTPUT TO DISKETTE (NO)

BIOFORM-07

LOAD RECORD
RECORD TYPE:
EIGHT

61: TAB STOP (YES)
61: INPUT TYPE (KEYBOARD)
61: CHARACTER TYPE (PRINTABLE)
61: SECURITY FIELD (NO)
61: OVERRIDE ERROR FIELD (NO)
61: MINIMUM LENGTH (0)
61: EXACT LENGTH TABLE (NO)
61: RANGE (NO)
61: ALLOWABLE ENTRY (NO)
61: SUBSTITUTION (NO)
61: JUSTIFICATION (LEFT)
61: FILL CHARACTER ()
61: FLOAT CHARACTER ()
61: DECIMAL POSITIONS (0)
61: SIGN POSITION (LEADING)
61: AUTO CLOSE (YES)
61: ARITHMETIC OPERATION (NO)
61: AUTO FILL-IN (NO)
61: NEXT PAGE NUMBER (NO)
61: BRANCHING (NO)

61: AUTO-INCREMENT (NO)
61: OUTPUT TO MEMORY CELL (NO)
61: OUTPUT TO DISKETTE (NO)

LOAD RECORD
RECORD TYPE:
NINE

62: TAB STOP (YES)
62: INPUT TYPE (KEYBOARD)
62: CHARACTER TYPE (PRINTABLE)
62: SECURITY FIELD (NO)
62: OVERRIDE ERROR FIELD (NO)
62: MINIMUM LENGTH (0)
62: EXACT LENGTH TABLE (NO)
62: RANGE (NO)
62: ALLOWABLE ENTRY (NO)
62: SUBSTITUTION (NO)
62: JUSTIFICATION (LEFT)
62: FILL CHARACTER ()
62: FLOAT CHARACTER ()
62: DECIMAL POSITIONS (0)
62: SIGN POSITION (LEADING)
62: AUTO CLOSE (YES)
62: ARITHMETIC OPERATION (NO)
62: AUTO FILL-IN (NO)
62: NEXT PAGE NUMBER (YES - PAGE 3)
62: BRANCHING (TEST LINE: 23. POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))
62: AUTO-INCREMENT (NO)
62: OUTPUT TO MEMORY CELL (NO)
62: OUTPUT TO DISKETTE (NO)

LAYOUT FILE

```

TAG RECPTURE DATA                                RECORD TYPE IX (FORM PAGE 08)

ACTION FIELD <    RECORD TYPE <    SEQUENCE NO<< COLLECTION NO <<<<
REPLICATE <<    SPECIES <<<<<<<<<<<<    STATUS <    LINE NUMBER <<

TAG NUMBER <<<<<<<<    TAG TYPE <

RECPTURE DATE: YEAR << MONTH << DAY <<
RECPTURE LOCATION <<<<<<<<<<<<    RECPTURE GEAR <<<

DAYS OUT <<<<    DISTANCE TRAVELLED (MILES) <<<<

RECPTURE LENGTH <<<<
RECPTURE WEIGHT <<<<<
RECPTURE MATURITY <

VARIABLE FIELD #1 <<<<<<<<<<<<<<<<<<<<<<
VARIABLE FIELD #2 <<<<<<<<<<<<<<<<<<<<<<
VARIABLE FIELD #3 <<<<<<<<<<<<<<<<<<<<<<
VARIABLE FIELD #4 <<
VARIABLE FIELD #5 <<<<<

-----LOAD THE FOLLOWING RECORD TYPE-CHOOSE WITH AN 'X'-----
ONE < TWO < THREE < FOUR < FIVE < SIX < SEVEN < EIGHT < NINE <

```


BIOFORM-08 ATTRIBUTES

BIOFORM - 08

ACTION FIELD

TAB STOP (YES)
 1: INPUT TYPE (KEYBOARD-CONSTANT:)
 1: CHARACTER TYPE (ALPHA)
 1: SECURITY FIELD (NO)
 1: OVERRIDE ERROR FIELD (NO)
 1: MINIMUM LENGTH (0)
 1: EXACT LENGTH TABLE (NO)
 1: RANGE (NO)
 1: ALLOWABLE ENTRY (YES:
 DRIVE: 1 FILE: ACTION)
 1: SUBSTITUTION (NO)
 1: JUSTIFICATION (LEFT)
 1: FILL CHARACTER ()
 1: FLOAT CHARACTER ()
 1: DECIMAL POSITIONS (0)
 1: SIGN POSITION (LEADING)
 1: AUTO CLOSE (YES)
 1: ARITHMETIC OPERATION (NO)
 1: AUTO FILL-IN (NO)
 1: NEXT PAGE NUMBER (NO)
 1: BRANCHING (NO)
 1: AUTO-INCREMENT (NO)
 1: OUTPUT TO MEMORY CELL (NO)
 1: OUTPUT TO DISKETTE (YES)

RECORD TYPE

2: TAB STOP (YES)
 2: INPUT TYPE (CONSTANT: 9)
 2: CHARACTER TYPE (PRINTABLE)
 2: SECURITY FIELD (NO)
 2: OVERRIDE ERROR FIELD (NO)
 2: MINIMUM LENGTH (0)
 2: EXACT LENGTH TABLE (NO)
 2: RANGE (NO)
 2: ALLOWABLE ENTRY (NO)
 2: SUBSTITUTION (NO)
 2: JUSTIFICATION (LEFT)
 2: FILL CHARACTER ()
 2: FLOAT CHARACTER ()
 2: DECIMAL POSITIONS (0)
 2: SIGN POSITION (LEADING)
 2: AUTO CLOSE (YES)
 2: ARITHMETIC OPERATION (NO)
 2: AUTO FILL-IN (NO)
 2: NEXT PAGE NUMBER (NO)
 2: BRANCHING (NO)
 2: AUTO-INCREMENT (NO)
 2: OUTPUT TO MEMORY CELL (NO)
 2: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

SEQUENCE
NO : YEAR

3: TAB STOP (YES)
3: INPUT TYPE (KEYBOARD-MEMORY CELL # 1)
3: CHARACTER TYPE (DIGIT)
3: SECURITY FIELD (NO)
3: OVERRIDE ERROR FIELD (NO)
3: MINIMUM LENGTH (0)
3: EXACT LENGTH TABLE (YES:
2)
3: RANGE (YES:
FROM: 65 TO: 85)
3: ALLOWABLE ENTRY (NO)
3: SUBSTITUTION (NO)
3: JUSTIFICATION (LEFT)
3: FILL CHARACTER ()
3: FLOAT CHARACTER ()
3: DECIMAL POSITIONS (0)
3: SIGN POSITION (LEADING)
3: AUTO CLOSE (YES)
3: ARITHMETIC OPERATION (NO)
3: AUTO FILL-IN (NO)
3: NEXT PAGE NUMBER (NO)
3: BRANCHING (NO)
3: AUTO-INCREMENT (NO)
3: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 1)
3: OUTPUT TO DISKETTE (YES)

SEQUENCE
NO : COLLECTION
NO.

4: TAB STOP (YES)
4: INPUT TYPE (KEYBOARD-MEMORY CELL # 2)
4: CHARACTER TYPE (DIGIT)
4: SECURITY FIELD (NO)
4: OVERRIDE ERROR FIELD (NO)
4: MINIMUM LENGTH (1)
4: EXACT LENGTH TABLE (NO)
4: RANGE (NO)
4: ALLOWABLE ENTRY (NO)
4: SUBSTITUTION (NO)
4: JUSTIFICATION (RIGHT)
4: FILL CHARACTER (0)
4: FLOAT CHARACTER (0)
4: DECIMAL POSITIONS (0)
4: SIGN POSITION (LEADING)
4: AUTO CLOSE (YES)
4: ARITHMETIC OPERATION (NO)
4: AUTO FILL-IN (NO)
4: NEXT PAGE NUMBER (NO)
4: BRANCHING (NO)
4: AUTO-INCREMENT (NO)
4: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 2)
4: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

REPLICATE

5: TAB STOP (YES)
 5: INPUT TYPE (KEYBOARD-MEMORY CELL # 3)
 5: CHARACTER TYPE (DIGIT)
 5: SECURITY FIELD (NO)
 5: OVERRIDE ERROR FIELD (NO)
 5: MINIMUM LENGTH (1)
 5: EXACT LENGTH TABLE (NO)
 5: RANGE (NO)
 5: ALLOWABLE ENTRY (NO)
 5: SUBSTITUTION (NO)
 5: JUSTIFICATION (RIGHT)
 5: FILL CHARACTER (0)
 5: FLOAT CHARACTER (0)
 5: DECIMAL POSITIONS (0)
 5: SIGN POSITION (LEADING)
 5: AUTO CLOSE (YES)
 5: ARITHMETIC OPERATION (NO)
 5: AUTO FILL-IN (NO)
 5: NEXT PAGE NUMBER (NO)
 5: BRANCHING (NO)
 5: AUTO-INCREMENT (NO)
 5: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 3)
 5: OUTPUT TO DISKETTE (YES)

SPECIES

6: TAB STOP (YES)
 6: INPUT TYPE (KEYBOARD-MEMORY CELL # 4)
 6: CHARACTER TYPE (DIGIT)
 6: SECURITY FIELD (NO)
 6: OVERRIDE ERROR FIELD (NO)
 6: MINIMUM LENGTH (0)
 6: EXACT LENGTH TABLE (YES: 10)
 6: RANGE (NO)
 6: ALLOWABLE ENTRY (NO)
 6: SUBSTITUTION (NO)
 6: JUSTIFICATION (LEFT)
 6: FILL CHARACTER ()
 6: FLOAT CHARACTER ()
 6: DECIMAL POSITIONS (0)
 6: SIGN POSITION (LEADING)
 6: AUTO CLOSE (YES)
 6: ARITHMETIC OPERATION (NO)
 6: AUTO FILL-IN (NO)
 6: NEXT PAGE NUMBER (NO)
 6: BRANCHING (NO)
 6: AUTO-INCREMENT (NO)
 6: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 4)
 6: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

STATUS

7: TAB STOP (YES)
 7: INPUT TYPE (KEYBOARD-MEMORY CELL # 5)
 7: CHARACTER TYPE (DIGIT)
 7: SECURITY FIELD (NO)
 7: OVERRIDE ERROR FIELD (NO)
 7: MINIMUM LENGTH (1)
 7: EXACT LENGTH TABLE (NO)
 7: RANGE (NO)
 7: ALLOWABLE ENTRY (NO)
 7: SUBSTITUTION (NO)
 7: JUSTIFICATION (LEFT)
 7: FILL CHARACTER ()
 7: FLOAT CHARACTER ()
 7: DECIMAL POSITIONS (0)
 7: SIGN POSITION (LEADING)
 7: AUTO CLOSE (YES)
 7: ARITHMETIC OPERATION (NO)
 7: AUTO FILL-IN (NO)
 7: NEXT PAGE NUMBER (NO)
 7: BRANCHING (NO)
 7: AUTO-INCREMENT (NO)
 7: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 5)
 7: OUTPUT TO DISKETTE (YES)

LINE NUMBER

8: TAB STOP (YES)
 8: INPUT TYPE (KEYBOARD-REGISTER # 1)
 8: CHARACTER TYPE (DIGIT)
 8: SECURITY FIELD (NO)
 8: OVERRIDE ERROR FIELD (NO)
 8: MINIMUM LENGTH (1)
 8: EXACT LENGTH TABLE (NO)
 8: RANGE (NO)
 8: ALLOWABLE ENTRY (NO)
 8: SUBSTITUTION (NO)
 8: JUSTIFICATION (RIGHT)
 8: FILL CHARACTER (0)
 8: FLOAT CHARACTER (0)
 8: DECIMAL POSITIONS (0)
 8: SIGN POSITION (LEADING)
 8: AUTO CLOSE (YES)
 8: ARITHMETIC OPERATION (YES :
 R1=F8+1)
 8: AUTO FILL-IN (NO)
 8: NEXT PAGE NUMBER (NO)
 8: BRANCHING (NO)
 8: AUTO-INCREMENT (NO)
 8: OUTPUT TO MEMORY CELL (NO)
 8: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

TAG
NUMBER

9: TAB STOP (YES)
9: INPUT TYPE (KEYBOARD)
9: CHARACTER TYPE (MIXED)
9: SECURITY FIELD (NO)
9: OVERRIDE ERROR FIELD (YES)
9: MINIMUM LENGTH (0)
9: EXACT LENGTH TABLE (YES:
6)
9: RANGE (NO)
9: ALLOWABLE ENTRY (NO)
9: SUBSTITUTION (NO)
9: JUSTIFICATION (LEFT)
9: FILL CHARACTER ()
9: FLOAT CHARACTER ()
9: DECIMAL POSITIONS (0)
9: SIGN POSITION (LEADING)
9: AUTO CLOSE (YES)
9: ARITHMETIC OPERATION (NO)
9: AUTO FILL-IN (NO)
9: NEXT PAGE NUMBER (NO)
9: BRANCHING (NO)
9: AUTO-INCREMENT (NO)
9: OUTPUT TO MEMORY CELL (NO)
9: OUTPUT TO DISKETTE (YES)

TAG
TYPE

10: TAB STOP (YES)
10: INPUT TYPE (KEYBOARD)
10: CHARACTER TYPE (ALPHA)
10: SECURITY FIELD (NO)
10: OVERRIDE ERROR FIELD (NO)
10: MINIMUM LENGTH (1)
10: EXACT LENGTH TABLE (NO)
10: RANGE (NO)
10: ALLOWABLE ENTRY (NO)
10: SUBSTITUTION (NO)
10: JUSTIFICATION (LEFT)
10: FILL CHARACTER ()
10: FLOAT CHARACTER ()
10: DECIMAL POSITIONS (0)
10: SIGN POSITION (LEADING)
10: AUTO CLOSE (YES)
10: ARITHMETIC OPERATION (NO)
10: AUTO FILL-IN (NO)
10: NEXT PAGE NUMBER (NO)
10: BRANCHING (NO)
10: AUTO-INCREMENT (NO)
10: OUTPUT TO MEMORY CELL (NO)
10: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

RECAPTURE
DATE : YEAR

11: TAB STOP (YES)
11: INPUT TYPE (KEYBOARD)
11: CHARACTER TYPE (DIGIT)
11: SECURITY FIELD (NO)
11: OVERRIDE ERROR FIELD (YES)
11: MINIMUM LENGTH (0)
11: EXACT LENGTH TABLE (YES:
0,2)
11: RANGE (NO)

11: ALLOWABLE ENTRY (NO)
11: SUBSTITUTION (NO)
11: JUSTIFICATION (LEFT)
11: FILL CHARACTER ()
11: FLOAT CHARACTER ()
11: DECIMAL POSITIONS (0)
11: SIGN POSITION (LEADING)
11: AUTO CLOSE (YES)
11: ARITHMETIC OPERATION (NO)
11: AUTO FILL-IN (NO)
11: NEXT PAGE NUMBER (NO)
11: BRANCHING (NO)
11: AUTO-INCREMENT (NO)
11: OUTPUT TO MEMORY CELL (NO)
11: OUTPUT TO DISKETTE (YES)

RECAPTURE
DATE : MONTH

12: TAB STOP (YES)
12: INPUT TYPE (KEYBOARD)
12: CHARACTER TYPE (DIGIT)
12: SECURITY FIELD (NO)
12: OVERRIDE ERROR FIELD (YES)
12: MINIMUM LENGTH (0)
12: EXACT LENGTH TABLE (YES:
0,2)
12: RANGE (YES:
FROM: 00 TO: 12)
12: ALLOWABLE ENTRY (NO)
12: SUBSTITUTION (NO)
12: JUSTIFICATION (LEFT)
12: FILL CHARACTER ()
12: FLOAT CHARACTER ()
12: DECIMAL POSITIONS (0)
12: SIGN POSITION (LEADING)
12: AUTO CLOSE (YES)
12: ARITHMETIC OPERATION (NO)
12: AUTO FILL-IN (NO)
12: NEXT PAGE NUMBER (NO)
12: BRANCHING (NO)
12: AUTO-INCREMENT (NO)
12: OUTPUT TO MEMORY CELL (NO)
12: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

RECAPTURE
DATE : DAY

13: TAB STOP (YES)
13: INPUT TYPE (KEYBOARD)
13: CHARACTER TYPE (DIGIT)
13: SECURITY FIELD (NO)
13: OVERRIDE ERROR FIELD (YES)
13: MINIMUM LENGTH (0)
13: EXACT LENGTH TABLE (Yes: 0,2)
13: RANGE (YES:
FROM: 00 TO: 31)
13: ALLOWABLE ENTRY (NO)
13: SUBSTITUTION (NO)
13: JUSTIFICATION (RIGHT)
13: FILL CHARACTER (0)
13: FLOAT CHARACTER (0)
13: DECIMAL POSITIONS (0)
13: SIGN POSITION (LEADING)
13: AUTO CLOSE (YES)
13: ARITHMETIC OPERATION (NO)
13: AUTO FILL-IN (NO)
13: NEXT PAGE NUMBER (NO)
13: BRANCHING (NO)
13: AUTO-INCREMENT (NO)
13: OUTPUT TO MEMORY CELL (NO)
13: OUTPUT TO DISKETTE (YES)

RECAPTURE
LOCATION

14: TAB STOP (YES)
14: INPUT TYPE (KEYBOARD)
14: CHARACTER TYPE (DIGIT)
14: SECURITY FIELD (NO)
14: OVERRIDE ERROR FIELD (YES)
14: MINIMUM LENGTH (0)
14: EXACT LENGTH TABLE (YES:
0; 10)
14: RANGE (YES:
FROM: 0000000000 TO: 4400000000)
14: ALLOWABLE ENTRY (NO)
14: SUBSTITUTION (NO)
14: JUSTIFICATION (LEFT)
14: FILL CHARACTER ()
14: FLOAT CHARACTER ()
14: DECIMAL POSITIONS (0)
14: SIGN POSITION (LEADING)
14: AUTO CLOSE (YES)
14: ARITHMETIC OPERATION (NO)
14: AUTO FILL-IN (NO)
14: NEXT PAGE NUMBER (NO)
14: BRANCHING (NO)
14: AUTO-INCREMENT (NO)
14: OUTPUT TO MEMORY CELL (NO)
14: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

RECAPTURE
GEAR

15: TAB STOP (YES)
15: INPUT TYPE (KEYBOARD)
15: CHARACTER TYPE (DIGIT)
15: SECURITY FIELD (NO)
15: OVERRIDE ERROR FIELD (YES)
15: MINIMUM LENGTH (8)
15: EXACT LENGTH TABLE (YES:
3)
15: RANGE (NO)
15: ALLOWABLE ENTRY (NO)
15: SUBSTITUTION (NO)
15: JUSTIFICATION (LEFT)
15: FILL CHARACTER ()
15: FLOAT CHARACTER ()
15: DECIMAL POSITIONS (8)
15: SIGN POSITION (LEADING)
15: AUTO CLOSE (YES)
15: ARITHMETIC OPERATION (NO)
15: AUTO FILL-IN (NO)
15: NEXT PAGE NUMBER (NO)
15: BRANCHING (NO)
15: AUTO-INCREMENT (NO)
15: OUTPUT TO MEMORY CELL (NO)
15: OUTPUT TO DISKETTE (YES)

DAYS
OUT

16: TAB STOP (YES)
16: INPUT TYPE (KEYBOARD)
16: CHARACTER TYPE (DIGIT)
16: SECURITY FIELD (NO)
16: OVERRIDE ERROR FIELD (YES)
16: MINIMUM LENGTH (8)
16: EXACT LENGTH TABLE (NO)
16: RANGE (NO)
16: ALLOWABLE ENTRY (NO)
16: SUBSTITUTION (NO)
16: JUSTIFICATION (RIGHT)
16: FILL CHARACTER ()
16: FLOAT CHARACTER ()
16: DECIMAL POSITIONS (8)
16: SIGN POSITION (LEADING)
16: AUTO CLOSE (YES)
16: ARITHMETIC OPERATION (NO)
16: AUTO FILL-IN (NO)
16: NEXT PAGE NUMBER (NO)
16: BRANCHING (NO)
16: AUTO-INCREMENT (NO)
16: OUTPUT TO MEMORY CELL (NO)
16: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

DISTANCE TRAVELLED

17: TAB STOP (YES)
 17: INPUT TYPE (KEYBOARD)
 17: CHARACTER TYPE (PRINTABLE)
 17: SECURITY FIELD (NO)
 17: OVERRIDE ERROR FIELD (YES)
 17: MINIMUM LENGTH (0)
 17: EXACT LENGTH TABLE (NO)
 17: RANGE (NO)
 17: ALLOWABLE ENTRY (NO)
 17: SUBSTITUTION (NO)
 17: JUSTIFICATION (RIGHT)
 17: FILL CHARACTER ()
 17: FLOAT CHARACTER ()
 17: DECIMAL POSITIONS (0)
 17: SIGN POSITION (LEADING)
 17: AUTO CLOSE (YES)
 17: ARITHMETIC OPERATION (NO)
 17: AUTO FILL-IN (NO)
 17: NEXT PAGE NUMBER (NO)
 17: BRANCHING (NO)
 17: AUTO-INCREMENT (NO)
 17: OUTPUT TO MEMORY CELL (NO)
 17: OUTPUT TO DISKETTE (YES)

RECAPTURE LENGTH

18: TAB STOP (YES)
 18: INPUT TYPE (KEYBOARD)
 18: CHARACTER TYPE (DIGIT)
 18: SECURITY FIELD (NO)
 18: OVERRIDE ERROR FIELD (YES)
 18: MINIMUM LENGTH (0)
 18: EXACT LENGTH TABLE (NO)
 18: RANGE (NO)
 18: ALLOWABLE ENTRY (NO)
 18: SUBSTITUTION (NO)
 18: JUSTIFICATION (RIGHT)
 18: FILL CHARACTER ()
 18: FLOAT CHARACTER ()
 18: DECIMAL POSITIONS (0)
 18: SIGN POSITION (LEADING)
 18: AUTO CLOSE (YES)
 18: ARITHMETIC OPERATION (NO)
 18: AUTO FILL-IN (NO)
 18: NEXT PAGE NUMBER (NO)
 18: BRANCHING (NO)
 18: AUTO-INCREMENT (NO)
 18: OUTPUT TO MEMORY CELL (NO)
 18: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

RECAPTURE WEIGHT

19: TAB STOP (YES)
 19: INPUT TYPE (KEYBOARD)
 19: CHARACTER TYPE (PRINTABLE)
 19: SECURITY FIELD (NO)
 19: OVERRIDE ERROR FIELD (YES)
 19: MINIMUM LENGTH (0)
 19: EXACT LENGTH TABLE (NO)
 19: RANGE (NO)
 19: ALLOWABLE ENTRY (NO)
 19: SUBSTITUTION (NO)
 19: JUSTIFICATION (RIGHT)
 19: FILL CHARACTER ()
 19: FLOAT CHARACTER ()
 19: DECIMAL POSITIONS (0)
 19: SIGN POSITION (LEADING)
 19: AUTO CLOSE (YES)
 19: ARITHMETIC OPERATION (NO)
 19: AUTO FILL-IN (NO)
 19: NEXT PAGE NUMBER (NO)
 19: BRANCHING (NO)
 19: AUTO-INCREMENT (NO)
 19: OUTPUT TO MEMORY CELL (NO)
 19: OUTPUT TO DISKETTE (YES)

RECAPTURE MATURITY

20: TAB STOP (YES)
 20: INPUT TYPE (KEYBOARD)
 20: CHARACTER TYPE (DIGIT)
 20: SECURITY FIELD (NO)
 20: OVERRIDE ERROR FIELD (YES)
 20: MINIMUM LENGTH (0)
 20: EXACT LENGTH TABLE (NO)
 20: RANGE (NO)
 20: ALLOWABLE ENTRY (NO)
 20: SUBSTITUTION (NO)
 20: JUSTIFICATION (LEFT)
 20: FILL CHARACTER ()
 20: FLOAT CHARACTER ()
 20: DECIMAL POSITIONS (0)
 20: SIGN POSITION (LEADING)
 20: AUTO CLOSE (YES)
 20: ARITHMETIC OPERATION (NO)
 20: AUTO FILL-IN (NO)
 20: NEXT PAGE NUMBER (NO)
 20: BRANCHING (NO)
 20: AUTO-INCREMENT (NO)
 20: OUTPUT TO MEMORY CELL (NO)
 20: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

VARIABLE
FIELD
#1

21: TAB STOP (YES)
21: INPUT TYPE (KEYBOARD)
21: CHARACTER TYPE (PRINTABLE)
21: SECURITY FIELD (NO)
21: OVERRIDE ERROR FIELD (NO)
21: MINIMUM LENGTH (0)
21: EXACT LENGTH TABLE (NO)
21: RANGE (NO)
21: ALLOWABLE ENTRY (NO)
21: SUBSTITUTION (NO)
21: JUSTIFICATION (LEFT)
21: FILL CHARACTER ()
21: FLOAT CHARACTER ()
21: DECIMAL POSITIONS (0)
21: SIGN POSITION (LEADING)
21: AUTO CLOSE (YES)
21: ARITHMETIC OPERATION (NO)
21: AUTO FILL-IN (NO)
21: NEXT PAGE NUMBER (NO)
21: BRANCHING (NO)
21: AUTO-INCREMENT (NO)
21: OUTPUT TO MEMORY CELL (NO)
21: OUTPUT TO DISKETTE (YES)

VARIABLE
FIELD
#2

22: TAB STOP (YES)
22: INPUT TYPE (KEYBOARD)
22: CHARACTER TYPE (PRINTABLE)
22: SECURITY FIELD (NO)
22: OVERRIDE ERROR FIELD (NO)
22: MINIMUM LENGTH (0)
22: EXACT LENGTH TABLE (NO)
22: RANGE (NO)
22: ALLOWABLE ENTRY (NO)
22: SUBSTITUTION (NO)
22: JUSTIFICATION (LEFT)
22: FILL CHARACTER ()
22: FLOAT CHARACTER ()
22: DECIMAL POSITIONS (0)
22: SIGN POSITION (LEADING)
22: AUTO CLOSE (YES)
22: ARITHMETIC OPERATION (NO)
22: AUTO FILL-IN (NO)
22: NEXT PAGE NUMBER (NO)
22: BRANCHING (NO)
22: AUTO-INCREMENT (NO)
22: OUTPUT TO MEMORY CELL (NO)
22: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

VARIABLE
FIELD
#3

23: TAB STOP (YES)
23: INPUT TYPE (KEYBOARD)
23: CHARACTER TYPE (PRINTABLE)
23: SECURITY FIELD (NO)
23: OVERRIDE ERROR FIELD (NO)
23: MINIMUM LENGTH (0)
23: EXACT LENGTH TABLE (NO)
23: RANGE (NO)
23: ALLOWABLE ENTRY (NO)
23: SUBSTITUTION (NO)
23: JUSTIFICATION (LEFT)
23: FILL CHARACTER ()
23: FLOAT CHARACTER ()
23: DECIMAL POSITIONS (0)
23: SIGN POSITION (LEADING)
23: AUTO CLOSE (YES)
23: ARITHMETIC OPERATION (NO)
23: AUTO FILL-IN (NO)
23: NEXT PAGE NUMBER (NO)
23: BRANCHING (NO)
23: AUTO-INCREMENT (NO)
23: OUTPUT TO MEMORY CELL (NO)
23: OUTPUT TO DISKETTE (YES)

VARIABLE
FIELD
#4

24: TAB STOP (YES)
24: INPUT TYPE (KEYBOARD)
24: CHARACTER TYPE (PRINTABLE)
24: SECURITY FIELD (NO)
24: OVERRIDE ERROR FIELD (NO)
24: MINIMUM LENGTH (0)
24: EXACT LENGTH TABLE (NO)
24: RANGE (NO)
24: ALLOWABLE ENTRY (NO)
24: SUBSTITUTION (NO)
24: JUSTIFICATION (LEFT)
24: FILL CHARACTER ()
24: FLOAT CHARACTER ()
24: DECIMAL POSITIONS (0)
24: SIGN POSITION (LEADING)
24: AUTO CLOSE (YES)
24: ARITHMETIC OPERATION (NO)
24: AUTO FILL-IN (NO)
24: NEXT PAGE NUMBER (NO)
24: BRANCHING (NO)
24: AUTO-INCREMENT (NO)
24: OUTPUT TO MEMORY CELL (NO)
24: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

VARIABLE
FIELD
#5

25: TAB STOP (YES)
25: INPUT TYPE (KEYBOARD)
25: CHARACTER TYPE (PRINTABLE)
25: SECURITY FIELD (NO)
25: OVERRIDE ERROR FIELD (NO)
25: MINIMUM LENGTH (0)
25: EXACT LENGTH TABLE (NO)
25: RANGE (NO)
25: ALLOWABLE ENTRY (NO)
25: SUBSTITUTION (NO)
25: JUSTIFICATION (LEFT)
25: FILL CHARACTER ()
25: FLOAT CHARACTER ()
25: DECIMAL POSITIONS (0)
25: SIGN POSITION (LEADING)
25: AUTO CLOSE (YES)
25: ARITHMETIC OPERATION (NO)
25: AUTO FILL-IN (NO)
25: NEXT PAGE NUMBER (NO)
25: BRANCHING (NO)
25: AUTO-INCREMENT (NO)
25: OUTPUT TO MEMORY CELL (NO)
25: OUTPUT TO DISKETTE (YES)

LOAD
RECORD TYPE:
ONE

26: TAB STOP (YES)
26: INPUT TYPE (KEYBOARD)
26: CHARACTER TYPE (PRINTABLE)
26: SECURITY FIELD (NO)
26: OVERRIDE ERROR FIELD (NO)
26: MINIMUM LENGTH (0)
26: EXACT LENGTH TABLE (NO)
26: RANGE (NO)
26: ALLOWABLE ENTRY (NO)
26: SUBSTITUTION (NO)
26: JUSTIFICATION (LEFT)
26: FILL CHARACTER ()
26: FLOAT CHARACTER ()
26: DECIMAL POSITIONS (0)
26: SIGN POSITION (LEADING)
26: AUTO CLOSE (YES)
26: ARITHMETIC OPERATION (NO)
26: AUTO FILL-IN (NO)
26: NEXT PAGE NUMBER (YES - PAGE 1)
26: BRANCHING (TEST LINE: 23 POSITION: 80
ERASURE OF BRANCHED OVER FIELDS:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

26: AUTO-INCREMENT (NO)
26: OUTPUT TO MEMORY CELL (NO)
26: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
TWO

27: TAB STOP (YES)
27: INPUT TYPE (KEYBOARD)
27: CHARACTER TYPE (PRINTABLE)
27: SECURITY FIELD (NO)
27: OVERRIDE ERROR FIELD (NO)
27: MINIMUM LENGTH (0)
27: EXACT LENGTH TABLE (NO)
27: RANGE (NO)
27: ALLOWABLE ENTRY (NO)
27: SUBSTITUTION (NO)
27: JUSTIFICATION (LEFT)
27: FILL CHARACTER ()
27: FLOAT CHARACTER ()
27: DECIMAL POSITIONS (0)
27: SIGN POSITION (LEADING)
27: AUTO CLOSE (YES)
27: ARITHMETIC OPERATION (NO)
27: AUTO FILL-IN (NO)
27: NEXT PAGE NUMBER (YES - PAGE 2)
27: BRANCHING (TEST LINE: 23 POSITION: 80
ERASURE OF BRANCHED OVER FIELDS:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

27: AUTO-INCREMENT (NO)
27: OUTPUT TO MEMORY CELL (NO)
27: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
THREE

28: TAB STOP (YES)
28: INPUT TYPE (KEYBOARD)
28: CHARACTER TYPE (PRINTABLE)
28: SECURITY FIELD (NO)
28: OVERRIDE ERROR FIELD (NO)
28: MINIMUM LENGTH (0)
28: EXACT LENGTH TABLE (NO)
28: RANGE (NO)
28: ALLOWABLE ENTRY (NO)
28: SUBSTITUTION (NO)
28: JUSTIFICATION (LEFT)
28: FILL CHARACTER ()
28: FLOAT CHARACTER ()
28: DECIMAL POSITIONS (0)
28: SIGN POSITION (LEADING)
28: AUTO CLOSE (YES)
28: ARITHMETIC OPERATION (NO)
28: AUTO FILL-IN (NO)
28: NEXT PAGE NUMBER (YES - PAGE 3)
28: BRANCHING (TEST LINE: 23 POSITION: 80
ERASURE OF BRANCHED OVER FIELDS:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

28: AUTO-INCREMENT (NO)
28: OUTPUT TO MEMORY CELL (NO)
28: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FOUR

29: TAB STOP (YES)
29: INPUT TYPE (KEYBOARD)
29: CHARACTER TYPE (PRINTABLE)
29: SECURITY FIELD (NO)
29: OVERRIDE ERROR FIELD (NO)
29: MINIMUM LENGTH (0)
29: EXACT LENGTH TABLE (NO)
29: RANGE (NO)
29: ALLOWABLE ENTRY (NO)
29: SUBSTITUTION (NO)
29: JUSTIFICATION (LEFT)
29: FILL CHARACTER ()
29: FLOAT CHARACTER ()
29: DECIMAL POSITIONS (0)
29: SIGN POSITION (LEADING)
29: AUTO CLOSE (YES)
29: ARITHMETIC OPERATION (NO)
29: AUTO FILL-IN (NO)
29: NEXT PAGE NUMBER (YES - PAGE 4)
29: BRANCHING (TEST LINE: 23 POSITION: 80
ERASURE OF BRANCHED OVER FIELDS:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))

29: AUTO-INCREMENT (NO)
29: OUTPUT TO MEMORY CELL (NO)
29: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FIVE

30: TAB STOP (YES)
30: INPUT TYPE (KEYBOARD)
30: CHARACTER TYPE (PRINTABLE)
30: SECURITY FIELD (NO)
30: OVERRIDE ERROR FIELD (NO)
30: MINIMUM LENGTH (0)
30: EXACT LENGTH TABLE (NO)
30: RANGE (NO)
30: ALLOWABLE ENTRY (NO)
30: SUBSTITUTION (NO)
30: JUSTIFICATION (LEFT)
30: FILL CHARACTER ()
30: FLOAT CHARACTER ()
30: DECIMAL POSITIONS (0)
30: SIGN POSITION (LEADING)
30: AUTO CLOSE (YES)
30: ARITHMETIC OPERATION (NO)
30: AUTO FILL-IN (NO)
30: NEXT PAGE NUMBER (YES - PAGE 5)
30: BRANCHING (TEST LINE: 23 POSITION: 80
ERASURE OF BRANCHED OVER FIELDS:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))

30: AUTO-INCREMENT (NO)
30: OUTPUT TO MEMORY CELL (NO)
30: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SIX

31: TAB STOP (YES)
31: INPUT TYPE (KEYBOARD)
31: CHARACTER TYPE (PRINTABLE)
31: SECURITY FIELD (NO)
31: OVERRIDE ERROR FIELD (NO)
31: MINIMUM LENGTH (0)
31: EXACT LENGTH TABLE (NO)
31: RANGE (NO)
31: ALLOWABLE ENTRY (NO)
31: SUBSTITUTION (NO)
31: JUSTIFICATION (LEFT)
31: FILL CHARACTER ()
31: FLOAT CHARACTER ()
31: DECIMAL POSITIONS (0)
31: SIGN POSITION (LEADING)
31: AUTO CLOSE (YES)
31: ARITHMETIC OPERATION (NO)
31: AUTO FILL-IN (NO)
31: NEXT PAGE NUMBER (YES - PAGE 6)
31: BRANCHING (TEST LINE: 23 POSITION: 80
ERASURE OF BRANCHED OVER FIELDS:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

31: AUTO-INCREMENT (NO)
31: OUTPUT TO MEMORY CELL (NO)
31: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SEVEN

32: TAB STOP (YES)
32: INPUT TYPE (KEYBOARD)
32: CHARACTER TYPE (PRINTABLE)
32: SECURITY FIELD (NO)
32: OVERRIDE ERROR FIELD (NO)
32: MINIMUM LENGTH (0)
32: EXACT LENGTH TABLE (NO)
32: RANGE (NO)
32: ALLOWABLE ENTRY (NO)
32: SUBSTITUTION (NO)
32: JUSTIFICATION (LEFT)
32: FILL CHARACTER ()
32: FLOAT CHARACTER ()
32: DECIMAL POSITIONS (0)
32: SIGN POSITION (LEADING)
32: AUTO CLOSE (YES)
32: ARITHMETIC OPERATION (NO)
32: AUTO FILL-IN (NO)
32: NEXT PAGE NUMBER (YES - PAGE 7)
32: BRANCHING (TEST LINE: 23 POSITION: 80
ERASURE OF BRANCHED OVER FIELDS:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

32: AUTO-INCREMENT (NO)
32: OUTPUT TO MEMORY CELL (NO)
32: OUTPUT TO DISKETTE (NO)

BIOFORM - 08

LOAD
RECORD TYPE:
EIGHT

33: TAB STOP (YES)
33: INPUT TYPE (KEYBOARD)
33: CHARACTER TYPE (PRINTABLE)
33: SECURITY FIELD (NO)
33: OVERRIDE ERROR FIELD (NO)
33: MINIMUM LENGTH (0)
33: EXACT LENGTH TABLE (NO)
33: RANGE (NO)
33: ALLOWABLE ENTRY (NO)
33: SUBSTITUTION (NO)
33: JUSTIFICATION (LEFT)
33: FILL CHARACTER ()
33: FLOAT CHARACTER ()
33: DECIMAL POSITIONS (0)
33: SIGN POSITION (LEADING)
33: AUTO CLOSE (YES)
33: ARITHMETIC OPERATION (NO)
33: AUTO FILL-IN (NO)
33: NEXT PAGE NUMBER (NO)
33: BRANCHING (NO)
33: AUTO-INCREMENT (NO)
33: OUTPUT TO MEMORY CELL (NO)
33: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
NINE

34: TAB STOP (YES)
34: INPUT TYPE (KEYBOARD)
34: CHARACTER TYPE (PRINTABLE)
34: SECURITY FIELD (NO)
34: OVERRIDE ERROR FIELD (NO)
34: MINIMUM LENGTH (0)
34: EXACT LENGTH TABLE (NO)
34: RANGE (NO)
34: ALLOWABLE ENTRY (NO)
34: SUBSTITUTION (NO)
34: JUSTIFICATION (LEFT)
34: FILL CHARACTER ()
34: FLOAT CHARACTER ()
34: DECIMAL POSITIONS (0)
34: SIGN POSITION (LEADING)
34: AUTO CLOSE (YES)
34: ARITHMETIC OPERATION (NO)
34: AUTO FILL-IN (NO)
34: NEXT PAGE NUMBER (YES - PAGE 8)
34: BRANCHING (TEST LINE: 23 POSITION: 80
ERASURE OF BRANCHED OVER FIELDS:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))

34: AUTO-INCREMENT (NO)
34: OUTPUT TO MEMORY CELL (NO)
34: OUTPUT TO DISKETTE (NO)

APPENDIX B-3: DIRECTORY FOR DATA ENTRY DISKETTE

File Name	Size
ACTION	10
BIOFORM-00	155
BIOFORM-01	3276
BIOFORM-02	1768
BIOFORM-03	1887
BIOFORM-04	2284
BIOFORM-05	2704
BIOFORM-06	2483
BIOFORM-07	3250
BIOFORM-08	2121
LAYOUT 01	1150
LAYOUT 02	573
LAYOUT 03	751
LAYOUT 04	843
LAYOUT 05	988
LAYOUT 06	926
LAYOUT 07	1061
LAYOUT 08	851
SEX	31

APPENDIX B-4: ALLOWABLE ENTRY AND SUBSTITUTION FILES

File: Action

ACID: ;

File : Sex

M,1;
F,2;
U,3;
1,1;
2,2;
3,3;

APPENDIX C-1.

Output from the update program

NORTH CAROLINA DIVISION OF MARINE FISHERIES

DATE 04/26/84

UPDATE ACTIVITY REPORT

[illegible]

UPDATE ACTIVITY REPORT

REC. TYPE	SEC. NBR.	REP. NBR.	SPECIES CCDE	LINE NBR.	UPDATE MESSAGE	ERROR MESSAGE	DATA FROM TRANSACTION
4	7903449	05	8E57030301-2	002	RECORD DELETED		1111111
4	7903449	05	8E57030301-2	003	RECORD DELETED		1111111
4	7903449	05	8E57030301-2	004	RECORD DELETED		1111111
4	7903449	05	8E57030301-2	005	RECORD DELETED		1111111
4	7903449	05	8E57030301-2	006	RECORD DELETED		1111111
4	7903449	05	8E57030301-2	007	RECORD DELETED		1111111
4	7903449	05	8E57030301-2	008	RECORD DELETED		1111111
4	7903449	05	8E57030301-2	009	RECORD DELETED		1111111
4	7903449	05	8E57030301-2	C1C	RECORD DELETED		1111111
1	7903450				RECORD CHANGED		433791213 CC060C0000 N1S
2	7903450	0C			RECORD ADDED		999599959999120
3	7903450	00	5105070100-0		RECORD ADDED		99959995999599959955555599990
3	7903450	00	570C0C0C00-0		RECORD ADDED		999599959995555555995555995555990
3	7903450	00	5708010200-0		RECORD ADDED		99959995999599959995995555559990
3	7903450	CC	8729010105-0		RECORD ADDED		999599959955555599959995995555990
3	7903450	CC	8F35020301-0		RECORD ADDED		999599959955555599959995995555990
3	7903450	CC	8F35250101-0		RECORD ADDED		999599959955555599959995995555990
3	7903450	CC	8F35440104-0		RECORD ADDED		999599959955555599959995995555990
3	7903450	CC	8F35440401-0		RECORD ADDED		999599959955555599959995995555990
3	7903450	CC	8F35440600-0		RECORD ADDED		999599959955555599959995995555990
3	7903450	CC	8F35440701-0		RECORD ADDED		999599959955555599959995995555990
3	7903450	CC	8F51030103-0		RECORD ADDED		999599959955555599959995995555990
3	7903450	CC	8E61010201-C		RECORD ADDED		999599959955555599959995995555990
2	7903450	06			RECORD CHANGED		003141003141000
3	7903450	CC	5105070100-0		RECORD DELETED		999599959995999599959995995555990
3	7903450	CC	5700000000-0		RECORD DELETED		999599959995999599959995995555990

UPDATE ACTIVITY REPORT

REC. TYPE	SEQ. REP.	REP. MRG.	SPECIES CODE	LINE NO.	UPDATE MESSAGE	ERROR MESSAGE	DATA FROM TRANSACTION
3	7903450	C6	5T08010200-0		RECORD DELETED		9995999999555599999999599955555599
3	7903450	O6	8T29010105-C		RECORD DELETED		999999999955559999995599999999990
3	7903450	C6	8F35020301-0		RECORD DELETED		999599999955559999995555999999990
3	7903450	O6	8E352501C1-0		RECORD DELETED		999999999955559999995555999999990
3	7903450	O6	8E354401C4-C		RECORD DELETED		999599999999999999999999999999990
3	7903450	O6	8E35440401-0		RECORD DELETED		999599999999999999999999999999990
3	7903450	O6	8E35440600-0		RECORD DELETED		999599999999999999999999999999990
3	7903450	O6	8E354407C1-0		RECORD DELETED		999599999999999999999999999999990
3	7903450	O6	8F51070103-0		RECORD DELETED		999599999999999999999999999999990
3	7903450	C6	8E61010201-0		RECORD DELETED		999599999999999999999999999999990
3	8002854	O1	8E35020102-0		RECORD ADCEC		000C19999999000019995599000C15559997
4	8002854	O1	8E35020102-0	CC1	RECORD ADCEC		0010225 3
3	8002854	C1	8E35160602-0		RECORD DELETED		999599999999999999999999999999990
4	8002854	O1	8E35160602-0	001	RECORD DELETED		11111111
3	8002872	O1	8E352C0101-0		RECORD DELETED		999999999999999999999999999999990
4	8002872	O1	8E352C01C1-C	CC1	RECORD DELETED		11111111
3	8002872	O1	8E3520101-0		RECORD ADCEC		000C19999999000019955599C0C155599991
4	8002872	O1	8E3520101-0	CC1	RECORD ADCEC		0010055
3	8002880	O1	8E35020301-0		RECORD DELETED		999599999999999999999999999999990
4	8002880	O1	8E35020301-0	CC1	RECORD DELETED		11111111
3	8002880	O1	8E352C01C1-0		RECORD DELETED		999599999999999999999999999999990
4	8002880	O1	8E35200101-0	CC1	RECORD DELETED		11111111
3	8002890	C1	8E35400201-0		RECORD ADCEC		000C699999990000699999990C0C65559991
4	8002890	C1	8E35400201-0	CC1	RECORD ADCEC		OC6C105
3	8002880	O1	8E3520101-0		RECORD ADCEC		000C29999999C00029955599C0C0C29999991
4	8002880	O1	8E3520101-0	CC1	RECORD ADCEC		0020065
1	8002995				RECORD CHANGED		433801125 OC6CCCCCCC N19

REC- TYPE	SEQ. NBR.	REP. NBR.	SPECIES CODE	LINE NBR.	UPDATE MESSAGE	ERROR MESSAGE	DATA FROM TRANSACTION
4	8002995	05	8F57030301-2	CC2	RECORD DELETED		1111111
4	8002995	05	8F57030301-2	002	NCT DELETED	RECCRC NOT CN FILE	1111111
4	8002995	05	8F57030301-2	003	RECORD DELETED		1111111
4	8002995	05	8F57030301-2	003	NOT DELETED	RECCRC NOT CN FILE	1111111
4	8002995	05	8F57030301-2	004	RECORD DELETED		1111111
4	8002995	05	8F57030301-2	CC4	NCT DELETED	RECORD NOT CN FILE	1111111
4	8002995	05	8F57030301-2	005	RECORD DELETED		1111111
4	8002995	05	8F57030301-2	CC5	NOT DELETED	RECCRC NOT CN FILE	1111111
4	8002995	05	8F57030301-2	006	RECORD DELETED		1111111
4	8002995	05	8F57030301-2	CC6	NOT DELETED	RECCRC NOT CN FILE	1111111
4	8002995	05	8F57030301-2	007	RECORD DELETED		1111111
4	8002995	05	8F57030301-2	CC7	NCT DELETED	RECCRC NOT CN FILE	1111111
4	8002995	05	8F57030301-2	008	RECORD DELETED		1111111
4	8002995	05	8F57030301-2	008	NOT DELETED	RECCRC NOT CN FILE	1111111
4	8002995	05	8F57030301-2	009	RECORD DELETED		1111111
4	8002995	05	8F57030301-2	CC9	NOT DELETED	RECCRC NOT CN FILE	1111111
4	8002995	05	8F57030301-2	C1C	RECORD DELETED		1111111
4	8002995	05	8F57030301-2	01C	NCT DELETED	RECCRC NOT CN FILE	1111111
1	8002997				RECORD CHANGED		433801204 0006CC0000 N19
2	8002997	CC			RECCRC ADDED		999599599959990
3	8002997	00	570C0C0C0C-0		RECORD ADDED		9999999999995995995995999999990
3	8002997	0C	8729010105-0		RECORD ADDED		999599999999599599599599599599990
3	8002997	CC	8E35020301-C		RECORD ADDED		999599999999599599599599599599990
3	8002997	0C	8F38250101-0		RECORD ADDED		999599999999599599599599599599990
3	8002997	00	8F35440104-0		RECORD ADDED		999599999999599599599599599599990
3	8002997	0C	8F35440701-0		RECORD ADDED		999599999999599599599599599599990
3	8002997	00	8F5C030301-0		RECORD ADDED		999599999999599599599599599599990

DATE 04/26/84

[illegible]

UPDATE ACTIVITY REPORT

[illegible]

NORTH CAROLINA DIVISION OF MARINE FISHERIES

DATE 04/26/84

UPDATE ACTIVITY REPORT

[illegible]

NM 100 RI

NORTH CAROLINA DIVISION OF MARINE FISHERIES

PAGE 12

DATE 04/26/84

REC. TYPE	SEC. NBR.	REP. NBR.	SPECIES CODE	LINE NBR.	UPDATE MESSAGE	ERROR MESSAGE	DATA FROM TRANSACTION
3	8101750	01	8F3540401-2		RECORD ADDED		00029999990000255599CC025999992
4	8101758	01	8F3540401-2	CC1	RECORD ADDED		0010132
4	8101759	01	8F3540401-2	CC2	RECORD ADDED		0010126
3	8101780	01	6177010103-0		RECORD CHANGED		000C100.0100000100.C100C00100.0101
3	8101821	01	8F35020301-0		RECORD DELETED		000019999999999999999999999992
4	8101821	01	8F35020301-0	CC1	RECORD DELETED		1111111
3	8101821	01	8F3540201-0		RECORD ADDED		000C199999990000155599CC015999992
4	8101821	01	8F3540201-0	CC1	RECORD ADDED		0010141
4	8101832	01	8747020202-C	CC1	RECORD CHANGED		0010062
3	8101844	01	8F35200101-0		RECORD DELETED		999999999999999999999999999999
4	8101844	01	8F35200101-0	CC1	RECORD DELETED		1111111
4	8101844	01	8F35200101-0	CC2	RECORD DELETED		1111111
3	8101844	01	8F35520101-0		RECORD ADDED		0000299999990000255599CC02999992
4	8101844	01	8F35520101-0	CC1	RECORD ADDED		0010033
4	8101844	01	8F35520101-0	CC2	RECORD ADDED		0010027
3	8101847	01	8F35200101-0		RECORD DELETED		999999999999999999999999999999
4	8101847	01	8F35200101-0	CC1	RECORD DELETED		1111111
4	8101847	01	8F35200101-0	CC2	RECORD DELETED		1111111
4	8101847	01	8F35200101-C	CC3	RECORD DELETED		1111111
4	8101847	01	8F35200101-0	CC4	RECORD DELETED		1111111
3	8101847	01	8F35520101-0		RECORD ADDED		0000699999990000069999999999992
4	8101847	01	8F35520101-0	CC1	RECORD ADDED		0020033
4	8101847	01	8F35520101-0	CC2	RECORD ADDED		0010031
4	8101847	01	8F35520101-C	CC3	RECORD ADDED		0010037
4	8101847	01	8F35520101-C	CC4	RECORD ADDED		0020038
3	8101865	01	8F35200101-0		RECORD CHANGED	RECORD ON FILE	0000699999990000069999999999992
3	8101865	01	8F35200101-0		RECORD DELETED		999999999999999999999999999999

CAT# 04/26/84

[illegible]

[illegible]

NORTH CAROLINA DIVISION OF MARINE FISHERIES

UPDATE ACTIVITY REPORT

NM 109 RI

[illegible]

UPDATE ACTIVITY REPORT

[illegible]

NORTH CAROLINA DIVISION OF MARINE FISHERIES

DATE 06/26/84

UPDATE ACTIVITY REPORT

[illegible]

NORTH CAROLINA DIVISION OF MARINE FISHERIES

NY 100 RI

UPDATE⁵ ACTIVITY REPORT

REC. TYPE	SEQ. NBR.	REP. NBR.	SPECIES CODE	LINE NBR.	UPDATE MESSAGE	ERROR MESSAGE	DATA FROM TRANSACTION
3	8303164	00	8F35020301-3		RECORD CHANGED		00001999995CC0C15955990CCC15959990
3	8303164	00	8F35020301-C		RECORD ADDED		999999999999999955555555555599990
3	8303164	00	8F37010104-0		RECORD DELETED		999999999999999999999999999955555599990
3	8303166	00	8F35020301-2		RECORD ADDED		999999999999999955555599990C0200003.42
4	8303166	00	8F35020301-2	C01	RECORD ADDED		001C200
4	8303166	00	8F35020301-2	C02	RECORD ADDED		0010190
4	8303166	00	8F35020301-2	C03	RECORD ADDED		0010200
4	8303166	00	8F35020301-2	C04	RECORD ADDED		0010200
4	8303166	00	8F35020301-2	C05	RECORD ADDED		001C205
4	8303166	00	8F35020301-2	C06	RECORD ADDED		0C1C210
4	8303166	00	8F35020301-2	C07	RECORD ADDED		0010240
4	8303166	00	8F35020301-2	C08	RECORD ADDED		0010210
4	8303166	00	8F35020301-2	C09	RECORD ADDED		0010210
4	8303166	00	8F35020301-2	C10	RECORD ADDED		0010200
4	8303166	00	8F35020301-2	C11	RECORD ADDED		001C210
4	8303166	00	8F35020301-2	C12	RECORD ADDED		0C1C205
4	8303166	00	8F35020301-2	C13	RECORD ADDED		001C200
4	8303166	00	8F35020301-2	C14	RECORD ADDED		0010225
4	8303166	00	8F35020301-2	C15	RECORD ADDED		0010210
4	8303166	00	8F35020301-2	C16	RECORD ADDED		0010200
4	8303166	00	8F35020301-2	C17	RECORD ADDED		0C1C205
4	8303166	00	8F35020301-2	C18	RECORD ADDED		001C215
4	8303166	00	8F35020301-2	C19	RECORD ADDED		0010215
4	8303166	00	8F35020301-2	C20	RECORD ADDED		0010205
3	8303166	00	8F35020305-2		RECORD DELETED		999999999999999955555555555599990
4	8303166	00	8F35020305-2	C01	RECORD DELETED		1111111
4	8303166	00	8F35020305-2	C01	NCT DELETED	* RECORD NOT ON FILE	1111111

NY 100 RI

NORTH CAROLINA DIVISION OF MARINE FISHERIES

PAGE 177

DATE 04/26/84

UPDATE ACTIVITY REPORT

REC. TYPE	SEC. NBR.	REP. NBR.	SPECIES CODE	LINE NBR.	UPDATE MESSAGE	ERROR MESSAGE	DATA FROM TRANSACTION	
1	8499999				NOT CHANGED	RECORD NOT CN FILE	999841010	0123212321
1	8499999				NOT CHANGED	RECORD NOT CN FILE	999841010	0123212321
1	8499999				NOT CHANGED	RECORD NOT CN FILE	999841010	0123212321
4	8499999	CC	0835440401-0	001	NOT CHANGED	RECORD NOT CN FILE	001	

676,361 MASTER FILE RECCROS BEFORE UPDATE

4,337 RECCROS ADDED

80 RECCROS CHANGED

278 RECCROS DELETED

61 TOTAL TRANSACTIONS REJECTED

680,420 MASTER FILE RECCROS AFTER UPDATE

EDIT ERROR WARNING REPORT

REC TYPE	SEQ. NBR.	REP. NBR.	SPECIES CODE	LINE NBR.	ERROR MESSAGE
3	7804666	01	6177C10102-0		SPECIES CODE 6177010102 NOT FOUND IN MFSPP
3	7804667	01	6177C10102-0		SPECIES CODE 6177010102 NOT FOUND IN MFSPP
3	7923338	01	6177C10102-0		SPECIES CODE 6177010102 NOT FOUND IN MFSPP
2	7903450	00			NUM.SPECIES RECCRS(11) NOT = REP.SPEC.OF 12
2	8002997	00			NUM.SPECIES RECCRS(08) NOT = REP.SPEC.OF 09
2	8002997	05			NUM.SPECIES RECCRS(01) NOT = REP.SPEC.OF 00
3	8101780	01	6177010103-0		SPECIES CODE 6177010103 NOT FOUND IN MFSPP
2	8101865	01			NUM.SPECIES RECCRS(15) NOT = REP.SPEC.OF 16
2	8101929	00			NUM.SPECIES RECCRS(06) NOT = REP.SPEC.OF 07
2	8101929	05			NUM.SPECIES RECCRS(01) NOT = REP.SPEC.OF 00
2	8101935	00			NUM.SPECIES RECCRS(05) NOT = REP.SPEC.OF 06
2	8101935	05			NUM.SPECIES RECCRS(02) NOT = REP.SPEC.OF 00
3	8303129	01	6177C20101-0		SPECIES CODE 6177020101 NOT FOUND IN MFSPP
1	8400019				GEAR TYPE 245 IS INVLD FOR PROGRAM NUMBER 434
1	8400020				GEAR TYPE 245 IS INVLD FOR PROGRAM NUMBER 434
3	8400022	01	8835250101-3		NUM.INDIV.REC(00094) NE SPEC SUBSAM. OF 00093
1	8400026				GEAR TYPE 245 IS INVLD FOR PROGRAM NUMBER 434
1	8400027				GEAR TYPE 245 IS INVLD FOR PROGRAM NUMBER 434
3	8400029	00	6177C10102-0		SPECIES CODE 6177010102 NOT FOUND IN MFSPP
3	8400029	01	8835440104-2		NUM.INDIV.REC(00080) NE SPEC SUBSAM. OF 00086
3	8400031	00	8835440101-0		NUM.INDIV.REC(00013) NE SPEC SUBSAM. OF 00009
2	8400031	00			NUM.SPECIES RECCRS(03) NOT = REP.SPEC.OF 04
1	8400032				NUM.REPLIC.RECORDS NOT = ENVIR.REPLICS OF 10
4	8400034	03	8835440701-C 001		THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400034	03	8835440701-C 002		THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
1	8400034				NUM.REPLIC.RECORDS NOT = ENVIR.REPLICS OF 06
3	8400040	00	6177C10102-C		SPECIES CODE 6177010102 NOT FOUND IN MFSPP

DATE 04/26/84

ECIT ERROR WARNING REPORT

REC TYPE	SEQ. NBR.	REP. NBR.	SPECIES CODE	LINE NBR.	ERROR MESSAGE
4	8400040	00	883544C701-C	001	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	002	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	003	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	004	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	005	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	006	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	007	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	008	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	009	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	010	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	011	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	012	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	013	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	014	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	015	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
2	8400154	03			NUN.SPECIES RECORDS(01) NOT = REP.SPEC.OF 02

NW 100 R3

NORTH CAROLINA DIVISION OF MARINE FISHERIES

PAGE 1

MASTER FILE STRUCTURAL ERROR REPORT

DATE 04/26/84

SEQUENCE NUMBER	REPLICATE NUMBER	SPECIES CODE	LINE NUMBER	MISSING ENVIR DATA	MISSING REPLIC DATA	MISSING SPECIES DATA	DUP TAG RECAPT	NON SEC TAG RECAPT	NON SEC INDIV RECORD	MISSING INDIV RECORD
7300524	01	8E35280901 0	002			X			X	
8101758	01	8E35440301 2	002			X			X	
8303166	00	8E35020305 2	015			X			X	
8303166	00	8E35020305 2	016			X				
8303166	00	8E35020305 2	017			X				
8303166	00	8E35020305 2	018			X				
8303166	00	8E35020305 2	019			X				
8303166	00	8E35020305 2	020			X				

DATE C4/26/84

UPDATE ACTIVITY REPORT

REC. TYPE	SEC. NBR.	REP. NBR.	SPECIES CODE	LINE NBR.	UPDATE MESSAGE	ERROR MESSAGE	DATA FROM TRANSACTION
4	8400019	00	8E35020102-0	C01	RECORD ADDED		0011086 15.42 31
2	8400019	01			RECORD ADDED		0015.40015.4010
3	8400019	01	8E35020102-5		RECORD ADDED		000010015.4000010015.4000010015.44
4	8400019	01	8E35020102-5	C01	RECORD ADDED		0011086 2
1	8400020				RECORD ADDED		434840201 CC05C400CC N19 2880245480CO
2	8400020	00			RECORD ADDED		999599959995010
3	8400020	00	8E35020102-0		RECORD ADDED		000030065.200003065.200003065.24
4	8400020	00	8E35020102-0	C01	RECORD ADDED		0011192 20.62 31
4	8400020	00	8E35020102-0	C02	RECORD ADDED		0011250 25.82 31
4	8400020	00	8E35020102-0	O03	RECORD ADDED		0011130 18.82 31
2	8400020	01			RECORD ADDED		0065.20065.2010
3	8400020	01	8E35020102-5		RECORD ADDED		000030065.200003065.200003065.24
4	8400020	01	8E35020102-5	O01	RECORD ADDED		0011192 2
4	8400020	01	8E35020102-5	C02	RECORD ADDED		0011250 2
4	8400020	01	8E35020102-5	O03	RECORD ADDED		0011130 2
1	8400022				RECORD ADDED		434840201 0005C300CC N19 3C24009001
2	8400022	00			RECORD ADDED		999599959995010
3	8400022	00	8E35440104-0		RECORD ADDED		00004999990000495599CC0049999994
4	8400022	00	8E35440104-0	C01	RECORD ADDED		0010671 3.35 31
4	8400022	00	8E35440104-0	C02	RECORD ADDED		0010670 2.76 31
4	8400022	00	8E35440104-0	C03	RECORD ADDED		0010680 2.58 31
4	8400022	00	8E35440104-0	O04	RECORD ADDED		0010731 3.68 31
2	8400022	01			RECORD ADDED		0907.20068.C016
3	8400022	01	8E35250101-3		RECORD ADDED		012400927.200093065.0000930068.02
4	8400022	01	8E35250101-3	C01	RECORD ADDED		0010320
4	8400022	01	8E35250101-3	C02	RECORD ADDED		0010346
4	8400022	01	8E35250101-3	O03	RECORD ADDED		0010348

WARNING THIS VERSION OF SAS IS NOT SUPPORTED.

CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES DATA SYSTEM

1-----2-----3-----4-----5-----6-----7-----8-----9-----0-----1-----2-----3

D*6*80*0285*CI*WICROF SALMCI*0*CCI*1111*1111* * * * * * * * * * * * * * * * * *

D*3*80*0287*CI*ETHEOS FUSIFO*0* *95555*55555*99999*99999*99999*95999*0* * *

D*6*80*0287*CI*ETHEOS FUSIFO*0*001*1111*1111* * * * * * * * * * * * * * * *

*3*80*0287*CI*CHAETC FAEER *0* *00001*55555*00001*95595*00001*95999*1* * *

*6*80*0287*CI*CHAETC FAEER *0*CCI* 1* 55* * * * * * * * * * * * * * * *

D*3*80*0289*CI*CENTRC STFIAT*0* *95555*55555*99999*99999*99999*99999*0* * *

D*6*80*0288*CI*CENTRC STFIAT*0*001*1111*1111* * * * * * * * * * * * * * *

D*3*80*0288*CI*ETHEOS FUSIFO*0* *55555*55555*99999*99999*99999*95999*0* * *

D*6*80*0288*CI*ETHEOS FUSIFO*0*001*1111*1111* * * * * * * * * * * * * * *

*3*80*0288*CI*ORTHOP CHFYSD*0* *00006*55555*00006*55595*00006*99999*1* * *

*6*80*0288*CI*ORTHOP CHFYSD*0*CCI* 6* 1C5* * * * * * * * * * * * * * *

*3*80*0288*CI*CHAETC FAEER *0* *00002*55555*00002*99999*00002*99999*1* * *

*6*80*0288*CI*CHAETC FAEER *0*001* 2* 65* * * * * * * * * * * * * * *

C*1*80*0299* * * * * * *433*801125* * *000000000* N*19* * * *553* * *01.5*1*3* * *

*2*80*0299*CCI* * * * * *95555*55555*99999*99999*99999*99999*0* * *

*3*80*0299*CI*CHAETC FAEER *0* *99995*55555*99999*99999*99999*99999*0* * *

*3*80*0299*CI*CHAETC FAEER *0* *99995*55555*99999*99999*99999*99999*0* * *

WARNING THIS VERSION OF SAS IS NOT SUPPORTED.
CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES DATA SYSTEM

```

-----1-----2-----3-----4-----5-----6-----7-----8-----9-----0-----1-----2-----3-----
*
*6*81*01905*01*PALAEP PUCIC *0*COI* 1* 24* 1* 25* 1* 31* 1* 33* 1* 30* * * * * * * * *
* * * * *
C1*81*01929* * * * * *433*811208* *0005030CCC* N19* * * *553* * * *1*23* * *18* * * *
* * * * *5* * * * * * * * * * * * * * *
*2*81*01929*CO* * * *999555*555555*07*0* *
*
*3*81*01929*CO*MCILLUS CEPHAL*0* *999955*555555*999999*999999*0* * * *
*
*3*81*01929*CO*POMATO SAL TAT*0* *999955*555555*999999*999999*0* * * *
*
*3*81*01929*CO*CVNUSC NEEULO*0* *999955*555555*999999*999999*0* * * *
*
*3*81*01929*CO*CVNUSC REGALI*0* *999955*555555*999999*999999*0* * * *
*
*3*81*01929*CO*LEIOST XANTHU*0* *999955*555555*999999*999999*0* * * *
D*3*81*01929*CO*LEIOST XANTHU*0* *555555*555555*999999*999999*0* * * *
*
*3*81*01929*CO*PEPRIL TRIACA*0* *999955*555555*999999*999999*0* * * *
*
*3*81*01929*CO*PARALI DENTAT*2* *999955*555555*00012*555555*00012*999999*2* * * *
*
*6*81*01929*CO*PARALI DENTAT*2*CCI* 2* 275* 1* 285* 1* 254* 1* 245* 1* 226* 1* 195* 1* 270* 1* 248* 1* 283* 1* 224*
* 1* 267* * * *
C*2*81*01929*05* * * *0C1E57*CC1E97*CC*0* *
*
D*3*81*01929*05*MCILLUS CEPHAL*0* *999955*555555*999999*999999*0* * * *
*
D*3*81*01929*05*POMATO SAL TAT*0* *555555*555555*999999*999999*0* * * *
*
D*3*81*01929*05*CVNUSC NEPULO*0* *999955*555555*999999*999999*0* * * *

```


WARNING THIS VERSION OF SAS IS NOT SUPPORTED.

CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES DATA SYSTEM

```

-----1-----2-----3-----4-----5-----6-----7-----8-----9-----0-----1-----2-----3
C*3*81*01935*CS*PCWATC SALTAT*0* *55555*555599*99955*955995*99999*959999*0* * * *
D*3*81*01935*CS*CNOSC REGALI*0* *55555*555599*99955*99999*99999*959999*0* * * *
D*3*81*01935*CS*MENTICIRRFUS *0* *99999*555599*99955*955999*99999*999999*0* * * *
*4*82*00447*00*LEIOST XANTHU*0*CCR*OCI* 152* * * * * * * * * *1*1*01* *
*4*82*00447*00*LEIOST XANTHU*0*OC9*OCI* 157* * * * * * * * * *1*1*02* *
*4*82*00447*00*LEIOST XANTHU*0*010*001* 152* * * * * * * * * *1*1*01* *
D*3*82*00883*CI*ETRUME TERES *0* *95955*555599*99955*555995*99999*999999*0* * * *
D*6*32*00883*CI*ETRUME TERES *0*CCI*111*111* * * * * * * * * * * * * *
*3*82*00883*CI*GGRIOS BOSCI *0* *0001*555599*00001*99999*00001*999999*2* * * *
*6*82*00883*CI*GGRIOS BOSCI *0*001* 1* 22* * * * * * * * * * * * * *
C*4*82*02876*CI*PUMATC SALTAT*2*C2C*OC3* 3C3* * * * * * * * * * * * * *
C*4*82*02878*CA*PARAL I DENTAT*5*011*OC2* 412* * * * * * * * * * * * * *
C*2*82*02880*IC* * * *0317.5*0317.5*01*0* * * * * * * * * * * * * *
C*3*82*02904*04*MICROP UNCULA*0* *17587*CC263B*00148*0022.2*00148*0022.2*2* * * *
C*4*83*00157*CI*MICROP UNCULA*0*008*001* 325* * * * * * * * * * * * * *
C*1*83*00814* * * * *120*83052*AI3 *C5284C0000* * * *1345* 5*556*002C*0.75*0.25*1*3* * *236*228*
*058*061* * * * * * * * * * * * * * * * * * * * * * * *
C*1*83*01089* * * * *12C*83C603*J10 *0537C4C100* * * *1730* 1*556*10.5*0.25*.125*1*3* * *271*270*

```


APPENDIX C-2a: LAYOUT OF ENVIRONMENTAL PRE-LOAD TABLE

Positions

Field Name

Table Key

1-3
4-13
14-18

PROGRAM
STARTING LOCATION
STATION

Data to be Stored

19-22
23-25
26-29
30-33
34-37
38
39
40
41
42
43-45
46
47-80

DURATION OR AREA
GEAR
GEAR PARM #1
GEAR PARM #2
GEAR PARM #3
RIG
TYPE OF TOW
SEDIMENT SIZE
BOTTOM COMPOSITION
BOTTOM PROFILE
DEPTH
ALTERATION STATE
Filler

APPENDIX C-2b: JCL TO COMPILE A REVISED ENVIRONMENTAL PRE-LOAD TABLE

```
//TS19P60C JOB ('P60.C2',TSO,
//          NM099),0002.EPPERLY,TIME=1,MSGCLASS=2,
//          NOTIFY=TS19P60,PRTY=9.
//***** NERTSO.TEAM19.DATA(ENVIRTAB) *****
//* THIS IS THE D.M.F. ENVIRONMENTAL DATA PRELOAD TABLE.
//* IT SHOULD SUBMITTED TO BE COPIED TO TAPE AFTER EACH UPDATE.
//* ENTRIES MUST BE IN SEQUENCE BY THE TABLE KEY COLUMNS 01 - 18.
//* THE FORMAT IS AS FOLLOWS:
//*      COL.01 - 03  PROGRAM TYPE          ...  -----
//*      04 - 08  STARTING LOCATION, LATITUDE      .  THIS IS THE
//*      09 - 13  STARTING LOCATION, LONGITUDE    .  TABLE KEY.
//*      14 - 18  STAT NUMBER          ...  -----
//*      19 - 22  DURATION
//*      23 - 25  GEAR TYPE
//*      26 - 29  GEAR PARAMETER 1
//*      30 - 33  GEAR PARAMETER 2
//*      34 - 37  GEAR PARAMETER 3
//*      38      RIG
//*      39      TYPE OF TOW
//*      40      SEDIMENT SIZE
//*      41      BOTTOM COMPOSITION
//*      42      BOTTOM PROFILE
//*      43 - 45  DEPTH
//*      46      ALTERATION STATE
//*      47 - 80  *** LEAVE BLANK ***
//UNCAT EXEC PGM=IEFBR14
//DD      DD DSN=NER.NM.NM099-1,UNIT=DISK,DISP=(MOD,DELETE),
//          SPACE=(TRK,1)
/*
//ST1 EXEC PGM=CARDFILE
//STEPLIB DD DSN=ADM1.LINKLIB,DISP=SHR
//INPUT DD * PRELOAD TABLE DATA IS INSERTED AFTER THIS RECORD
12015000000000000001111222333344445555678890001
128150000000000000006666777888899990000123345556
/*
//OUTPUT DD DSN=NER.NM.NM099-1,UNIT=TAPE,DISP=(,CATLG,DELETE),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=16000),LABEL=EXPDT=99001
//PRINT DD SYSOUT=A
//
```


PROGRAMVALID GEAR CODES

438	118 410 412 420 424
450	500 570
460	150 530 550 554 570
470	110 111 574 575 740
500, 510	150 310 311 500 536 538 550 556 558 559 560
530	111
540	531 556 558
550	111 531 556 558
610	754 830
615	805
618	754
620	746
630	766
650	758
660	754 766 811 830
670	754
680	754 766
690	713 810
700	231 515 531 534 552 560
705	531 552
710	554 560 713 715
715	560
720	118 119 120 411 412 413 420 421 422 423 424 440 531 552 554 560 720 911 926 950
725	531 552
730	119 531 552
735	531 552
740	911 925 926
745	515
750	720
755	552
760	531 552 560 715 720
765	531 552 560
770	500
775	552

'000' and '999' valid GEAR codes for any program

APPENDIX C-3 ALLOWABLE ENTRIES FOR GEAR IN EACH PROGRAM

<u>PROGRAM</u>	<u>VALID GEAR CODES</u>
050	200 911
051	200 531 420 911 940
055	200 213 300 500 550 556
060	200 213 300 911
100	130 212 311 530 531 535 538 556 911
105	645
110	531 559
115	130 245 531 605
120	210 211 240 245 311 330 538 556 557 558 559
125	556
126	556
130	212 556
150	130 200 212 220 230 245 247 350 380 420 531 960
160	600 605 645
170, 180	130 200 220 240 245 250 351 352 353 532 550 552 570 574 835 911 920 925 926 950
175	115
300	130 220 230 245 250 320 420 531 940
320	550
330	130 220 245 250 420 531 550 556
340	531
350	130 311 352 353 530 556 570
400	130 200 220 222 230 232 240 242 245 247 250 320 340 352 400 420 421 422 500
410	130 200 220 230 245 247 250 320 340 352 380 420 421 422 500
420	130 200 220 222 232 352 420 500
421, 422	200
430, 440	117 130 200 415
431, 441	130
432, 442	130
433, 443	500 510 530 532 534 538 550 552 553 554 570 572
434, 444	200 220 222 240 242 245 250
435, 445	320 340
436, 446	574
437, 447	320 352 353

APPENDIX C-4.

COBOL update program

[illegible]

--TIMINGS (MINS.)--										--PAGING COUNTS--			
CPU	SRB	CLOCK	SERV	PG	PAGE	SWAP	VIO	SWAPS					
10.4.3.03 JOB 763	IEF6771	WARNING MESSAGE(S) FOR JOB TS02P05X	ISSUED										
10.4.3.03 JOB 763	SASP373	TS02P05X STARTED - INIT 27 - CLASS A - SYS 168A											
10.4.3.03 JOB 763	IEF6031	TS02P05X - STARTED - TIME=10.4.03											
10.4.3.11 JOB 763	-												
10.4.3.11 JOB 763	-JORNAMF	PROGSTEP	RC	EXCP									
10.4.3.11 JOB 763	-TS02P05X	PGLCCL	LIBR	266									
10.4.3.11 JOB 763	-TS02P05X	PGLCCL	COB	1950									
10.4.4.06 JOB 763	SASP375	TS02P05X ESTIMATED LINES EXCEEDED											
10.4.4.17 JOB 763	-TS02P05X	PGLCCL	PG150										
10.4.4.19 JOB 763	-TS02P05X	PGLCCL	PG150										
10.4.4.26 JOB 763	-TS02P05X	PGLCCL	LKED										
10.4.4.26 JOB 763	IEF6041	TS02P05X - ENDED - TIME=10.44.26											
10.4.4.26 JOB 763	-TS02P05X	ENDEDF	NAME=0002.FENNER										
10.4.4.26 JOB 763	SASP395	TS02P05X ENDED											
10.4.4.26 JOB 763	-												
				TOTAL CPU TIME=		.19		TOTAL ELAPSED TIME=1.3					

JES2-JOB-STATISTICS-

03-APR-84-JOB-EXECUTION-DATE-

~~13- CARDS-READ~~

A-421-SVSOUT-PRINT-RECORDS-

0-SYSOUT--PUNCH-RECORDS--

~~1-39 MINUTES EXECUTION TIME~~

JOB 763

1 //TS02P05X JOB (*P05,C2*,TSO,MN1001,0002,FENNER,TIME=1,PTY=9,

// MSGCLASS=2,NOTIFY=TS02P05

***** ADMSO.TEAM02.DATAP05(MN100508) *****

*** COMPIL & LINK COBOL SOURCE (H/O DLT READ) FROM LIBRAZIAN *****

//SYGLCCCL EXEC PGM=CCCL,LIB=SYSL,DEPT=MERI,NBR=MN100X

2 //SYGLCCCL EXEC PGM=CCCL,LIB=SYSL,DEPT=MERI,NBR=MN100X

3 XX

4 EXEC PGM=CCCL,LIB=SYSL,DEPT=MERI,NBR=MN100X

5 XXSTEP18 DD DSN=SYSL,LIB=SYSL,DISP=SHR

6 XXMASTER DD DSN=SYSL,LIB=SYSL,DISP=SHR

7 XXSYSPRINT DD SYSOUT=*,DCB=BLKSIZE=133

8 XXLIST DD SYSOUT=*,DCB=BLKSIZE=133

9 XXJOB DD UNIT=DISK,DISP=(,PASS),DCB=BLKSIZE=4560,

10 SPACE=(4560,(200,100),RLSE)

11 XXSYSPUNCH DD SYSOUT=*,DCB=BLKSIZE=80

12 //LIBR,SYSLIN DD

13 EXEC PGM=INFCBLOO,PARM=DMAP,CLIST,SXREF,SUP*

14 COMB=(5,LT,LIBR)

15 DD DSN=SYSL,COBOL,DISP=SHR

16 DD DSN=CCCL,UNIT=DISK,SPACE=(CYL,(3,3),RLSE),

17 DISP=(NEW,PASS,DELETE),

18 DCB=(RECFM=FBA,LRECL=121,BLKSIZE=6171)

19 DD SYSOUT=*,DCB=BLKSIZE=133

20 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

21 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

22 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

23 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

24 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

25 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

26 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

27 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

28 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

29 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

30 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

31 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

32 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

33 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

34 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

35 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

36 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

37 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

38 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

39 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

40 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

41 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

42 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

43 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

44 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

45 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

46 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

47 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

48 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

49 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

50 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

51 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

52 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

53 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

54 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

55 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

56 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

57 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

58 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

59 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

60 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

61 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

62 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

63 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

64 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

65 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

66 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

67 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

68 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

69 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

70 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

71 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

72 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

73 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

74 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

75 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

76 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

77 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

78 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

79 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

80 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

81 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

82 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

83 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

84 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

85 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

86 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

87 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

88 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

89 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

90 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

91 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

92 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

93 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

94 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

95 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

96 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

97 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

98 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

99 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

100 DD DSN=CCCL,UNIT=DISK,SPACE=(TRK,(50,101))

[illegible]

DATE=04/03/84 TIME=1043

UPDATE RECORD

PAGE 1

MASTER FILE DEFAULTS FOR 'SYS1.SOURCE' ARE

NO ARCHIVING ALLOWED
PR
NO PUNCH
TAPERKUP-SPECIFIED
SEQ=1,6,10,10/
NOBYPP
NOVAR
BKUPINT=NONE
COMPRESS=FULL
SECURITY INVOKED
GPO
EXEC
BVS1 NOT SPECIFIED
RESEQ
NO I/P EXIT REQUIRED
SEP
NOLIST
BVS2 NOT SPECIFIED
SEQUPD-ALLOWED
NO O/P EXIT REQUIRED

THE LIBRARIAN SOURCE MANAGEMENT SYSTEM IS LEASED FROM
APPLIED DATA RESEARCH, INC., FOR THE EXCLUSIVE USE OF
STATE OF NORTH CAROLINA
ALL RIGHTS ARE RESERVED. USE OF THIS SOFTWARE PRODUCT
BY UNAUTHORIZED PERSONS IS PROHIBITED.
VERSION - 3.2
RELEASE DATE - 01/13/83
FOR CUSTOMER SUPPORT-DIAL 201-874-9000 TELEX 4754201

-SEL FOR MODULE 'NM100X' WAS SUCCESSFUL. MODULE IS TO BE COMPILED.

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	

10-43-12 APR 3, 1984

```
00001 000010 IDENTIFICATION DIVISION.
00002 000020 PROGRAM-ID.
00003 000030 NM100.
00004 000040 AUTHOR.
00005 000050 DIANNE NICHOLAS, BRUCE GARNER, LARRY LEIS, & TEAM C.
00006 000060 DATE WRITTEN.
00007 000070 05/27/81.
00008 000080 DATE-COMPILED. APR 3, 1984.
00009 000090 INSTALLATION.
00010 000100 SCC.
00011 000110 REMARKS. FILE CREATE AND UPDATE PROGRAM -
00012 000120 READS TRANS AND PROCESSES AGAINST OLD MASTER CREATING A NEW
00013 000130 MASTER, A LIST OF UPDATES TO THE MASTER AND REJECTED
00014 000140 TRANSACTIONS, A LIST OF EDIT WARNING MESSAGES AND
00015 000150 A LIST OF STRUCTURAL ERRORS.
00016 000160 *****
00017 000170 CHANGED 04/82 TO ADD ENVIR-PRELOAD ROUTINES
00018 000180 CHANGED 02/83 TO ADD MFSP SPECIES VERIFICATION ROUTINE
00019 000190 *****
00020 000200 NM100X - VUML
00021 000210 *****
00022 000220 ENVIRONMENT DIVISION.
00023 000230 CONFIGURATION SECTION.
00024 000240 SOURCE-COMPUTER. IBM-370.
00025 000250 OBJECT-COMPUTER. IBM-370.
00026 000260 INPUT-OUTPUT SECTION.
00027 000270 FILE-CONTROL.
00028 000280 SELECT ENVIR-PRELOAD-FILE ASSIGN TO UT-S-NM09011.
00029 000290 SELECT OLD-MASTER ASSIGN TO UT-S-NM10011.
00030 000300 SELECT TRANS-FILE ASSIGN TO UT-S-NM10001.
00031 000310 SELECT SORT-FILE ASSIGN TO UT-S-SORTWK01.
00032 000320 SELECT NEW-MASTER ASSIGN TO UT-S-NM10010.
00033 000330 SELECT UPDATE-RPT ASSIGN TO UT-S-PRINTER1.
00034 000340 SELECT ERROR-RPT ASSIGN TO UT-S-PRINTER2.
00035 000350 SELECT STRUC-ERR-RPT ASSIGN TO UT-S-PRINTER3.
00036 000360 SELECT LATIN-FILE ASSIGN TO UT-S-LATIN.
00037 000370 *****
00038 000380 DATA DIVISION.
00039 000390 FILE SECTION.
```

```
00041 000410 -FD ENVIR-PRELOAD-FILE
00042 000420 LABEL RECORDS ARE STANDARD
00043 000430 RECORDING MODE IS F
00044 000440 BLOCK CONTAINS 0 RECORDS
00045 000450 RECORD CONTAINS 80 CHARACTERS.
00046 000460 01 ENVIR-PRELOAD-REC PIC X(80).
000410000 DNM=6-347-DC8-01
00420000
00430000
00440000
00450000 DNM=6-379 BL-1 000 0001 DS 80C
00460000
```


2	NW100	10.43.12	APR 3, 1984	INT NAME	BASE	DISP	RLOI	DEFINITION
00048	000480 FD	OLD-MAST						
00049	000490	LABEL RECORDS ARE STANDARD						
00050	000500	RECORDING MODE IS F						
00051	000510	BLACK CONTAINS 0 RECORDS						
00052	000520	RECORD CONTAINS 150 CHARACTERS						
00053	000530 01	OLDMAST-REC						
00055	000550 FD	TRANS-FILE						
00056	000560	LABEL RECORDS ARE STANDARD						
00057	000570	RECORDING MODE IS F						
00058	000580	BLACK CONTAINS 0 RECORDS						
00059	000590	RECORD CONTAINS 128 CHARACTERS						
00060	000600 01	TRANS-REC						
00062	000620 FD	NEW-MAST						
00063	000630	LABEL RECORDS ARE STANDARD						
00064	000640	RECORDING MODE IS F						
00065	000650	BLACK CONTAINS 0 RECORDS						
00066	000660	RECORD CONTAINS 150 CHARACTERS						
00067	000670 01	NEWMAST-REC						
00069	000690 FD	UPDATE-RPT						
00070	000700	LABEL RECORDS ARE OMITTED						
00071	000710	RECORDING MODE IS F						
00072	000720	BLACK CONTAINS 0 RECORDS						
00073	000730	RECORD CONTAINS 133 CHARACTERS						
00074	000740 01	UPD-PRT-LINE						
00076	000760 FD	ERROR-RPT						
00077	000770	LABEL RECORDS ARE OMITTED						
00078	000780	RECORDING MODE IS F						
00079	000790	BLACK CONTAINS 0 RECORDS						
00080	000800	RECORD CONTAINS 133 CHARACTERS						
00081	000810 01	ERR-PRT-LINE						
00083	000830 FD	STRUC-ERR-RPT						
00084	000840	LABEL RECORDS ARE OMITTED						
00085	000850	RECORDING MODE IS F						
00086	000860	BLACK CONTAINS 0 RECORDS						
00087	000870	RECORD CONTAINS 133 CHARACTERS						
00088	000880 01	STRUC-PRT-LINE						

3	NW100	10.43.12	APR 3, 1984	INT NAME	BASE	DISP	RL01	DEFINITION
00090	000900	SD	SORT-FILE	DNM=7-190				
00091	000910		RECORDING MODE IS F					
00092	000920		RECORD CONTAINS 128 CHARACTERS.					
00093	000930	01	SORT-REC.	DNM=7-214	8LL=3	000	0001	DS OCL129
00094	000940	03	SORT-ACTION	DNM=7-235	8LL=3	000	0001	DS 1C
00095	000950		PIC X.	DNM=7-259	8LL=3	001	0002	DS 1C
00096	000960	03	SORT-TYPE	DNM=7-278	8LL=3	002	0003	DS 23C
00097	000970	03	SORT-KEY	DNM=7-296	8LL=3	019	0026	DS 103C
00098	000980		PIC X(103).					
00099	000990	FD	LATIN-FILE	DNM=7-307	DCB=08			
00100	001000		LABEL RECORDS-ARE STANDARD					
00101	001010		RECORDING MODE IS F					
00102	001020		BLOCK CONTAINS 0 RECORDS					
00103	001030		RECORD CONTAINS 80 CHARACTERS.					
00104	001040	01	LATIN-RECORD	DNM=7-331	DL=8	000	0001	DS 80C
00105	001050		PIC X(80).					

4	NM100	10.43.12	APR 3.1984	INT NAME	BASE	DISP	RL01	DEFINITION
00106	001060	WORKING-STORAGE-SECTION.						
00107	001070	TURN-ON	PIC X VALUE '1'.	01060000	BL=9	000	0001	DS IC
00108	001080	TURN-OFF	PIC X VALUE '0'.	01070000	BL=9	001	0002	DS IC
00109	001090	ABEND-A	PIC X VALUE SPACE.	01080000	BL=9	002	0003	DS IC
00110	001100	CAUSE-ABEND	REDEFINES ABEND-A PIC 9.	01090000	BL=9	002	0003	DS IC
00111	001110	R1-PAGE-CNT	PIC 9(3) COMP-3 VALUE ZEROS.	01100000	BL=9	003	0004	DS 2P
00112	001120	R1-LINE-CNT	PIC 9(3) COMP-3 VALUE ZEROS.	01110000	BL=9	005	0006	DS 2P
00113	001130	R2-PAGE-CNT	PIC 9(3) COMP-3 VALUE ZEROS.	01120000	BL=9	007	0008	DS 2P
00114	001140	R2-LINE-CNT	PIC 9(3) COMP-3 VALUE ZEROS.	01130000	BL=9	009	0010	DS 2P
00115	001150	R3-PAGE-CNT	PIC 9(3) COMP-3 VALUE ZEROS.	01140000	BL=9	008	0012	DS 2P
00116	001160	R3-LINE-CNT	PIC 9(3) COMP-3 VALUE ZEROS.	01150000	BL=9	000	0014	DS 2P
00117	001170	CHK	PIC X VALUE 'X'.	01160000	BL=9	00F	0016	DS IC
00118	001180	DASH	PIC X VALUE '-'	01170000	BL=9	010	0017	DS IC
00119	001190	WK-SUB	PIC 9999 COMP SYNC.	01180000	BL=9	012	0019	DS 1H
00120	001200	WK-SUB-2	PIC 9999 COMP SYNC.	01190000	BL=9	014	0021	DS 1H
00121	001210	WORK-LOCATION	PIC 9(10) COMP-3.	01200000	BL=9	016	0023	DS 6P
00122	001220	WORK-CNT	PIC 9(5) COMP-3.	01210000	BL=9	01C	0029	DS 3P
00123	001230	LATIN-SUBSCR	PIC 59999, COMP, VALUE ZEROS.	01220000	BL=9	01F	0032	DS 2C
00124	001240	TAG-SUBSCR	PIC 59999, COMP, VALUE ZEROS.	01230000	BL=9	021	0034	DS 2C
00125	001250	TAG-NUMBER-CNTR	PIC 59999, COMP, VALUE ZEROS.	01240000	BL=9	023	0036	DS 2C
00126	001260	LATIN-TOTAL	PIC 59999, COMP, VALUE ZEROS.	01250000	BL=9	025	0038	DS 2C
00127	001270	TEST-SUM	PIC 9999 VALUE ZEROS.	01260000	BL=9	027	0040	DS 4C
00128	001280	DATE-PROGRAM	PIC X(8) VALUE SPACES.	01270000	BL=9	02B	0044	DS 8C

[illegible]

7	NR100	10.43.12	APR 3.1984	INT NAME	BASE	DISP	RL01	DEFINITION
00238	002380	05 FILLER	PIC X(1001).	DNM=13-254	BL=9	165	0230	DS 1C
00239	002390	05 SAVE-REPLIC-KEY	PIC X(1001).	DNM=13-268	BL=9	166	0231	DS 9C
00240	002400	05 FILLER	PIC X(140).	DNM=13-293	BL=9	167	0240	DS 140C
00241	002410	03 SAVE-SPECIES	VALUE SPACES.	DNM=13-307	BL=9	168	0380	DS 0CL150
00242	002420	05 FILLER	PIC X(101).	DNM=13-332	BL=9	168	0380	DS 1C
00243	002430	05 SAVE-SPECIES-KEY	PIC X(1020).	DNM=13-346	BL=9	168	0381	DS 20C
00244	002440	05 SAVE-SPECIES-KEY-R: REDEFINES	SAVE-SPECIES-KEY.	DNM=13-372	BL=9	168	0381	DS 0CL20
00245	002450	07 SAVE-SEQ-NMNR	PIC X(17).	DNM=13-403	BL=9	168	0381	DS 7C
00246	002460	07 FILLER	PIC X(113).	DNM=13-433	BL=9	203	0388	DS 13C
00247	002470	05 FILLER	PIC X(37).	DNM=13-447	BL=9	210	0401	DS 37C
00248	002480	05 SAVE-SPE-TAG1	PIC X.	DNM=13-461	BL=9	235	0438	DS 1C
00249	002490	05 SAVE-SPE-NMNR-TAGGED1	PIC X(51).	DNM=14-000	BL=9	236	0439	DS 5C
00250	002500	05 SAVE-SPE-NMNR-TAGGED1-R: REDEFINES	PIC X(51).	DNM=14-032	BL=9	236	0439	DS 5C
00251	002510	05 SAVE-SPE-TAG2	PIC X.	DNM=14-069	BL=9	238	0444	DS 1C
00252	002520	05 SAVE-SPE-NMNR-TAGGED2	PIC X(51).	DNM=14-092	BL=9	238	0445	DS 5C
00253	002530	05 SAVE-SPE-NMNR-TAGGED2-R: REDEFINES	PIC X(51).	DNM=14-124	BL=9	238	0445	DS 5C
00254	002540	05 SAVE-SPE-NMNR-TAGGED2	PIC 9(51).	DNM=14-158	BL=9	241	0450	DS 80C
00255	002550	05 FILLER	PIC X(80).	DNM=14-172	BL=9	291	0530	DS 0CL152
00256	002560	03 SAVE-INDIV.	PIC X.	DNM=14-198	BL=9	291	0530	DS 1C
00257	002570	05 FILLER	PIC X(20).	DNM=14-212	BL=9	292	0531	DS 20C
00258	002580	05 SAVE-INDIV-KEY	PIC X(31).	DNM=14-236	BL=9	292	0551	DS 3C
00259	002590	05 SAVE-INDIV-LINE	PIC X(40).	DNM=14-264	BL=9	292	0551	DS 3C
00260	002600	05 SAVE-INDIV-LINE-R: REDEFINES	SAVE-INDIV-LINE PIC 999.	DNM=14-291	BL=9	292	0554	DS 40C
00261	002610	05 FILLER	PIC X(40).	DNM=14-305	BL=9	201	0594	DS 2C
00262	002620	05 SAVE-INDIV-AGE	PIC XX.	DNM=14-329	BL=9	201	0594	DS 2C
00263	002630	05 SAVE-INDIV-AGE-R: REDEFINES	SAVE-INDIV-AGE PIC 99.	DNM=14-355	BL=9	203	0596	DS 2C
00264	002640	05 SAVE-INDIV-SPAWN-MARK	PIC XX.	DNM=14-386	BL=9	203	0596	DS 2C
00265	002650	05 SAVE-INDIV-SPAWN-MARK-R: REDEFINES	PIC 99.	DNM=14-422	BL=9	205	0598	DS 84C
00266	002660	05 FILLER	PIC X(94).	DNM=14-436	BL=9	329	0682	DS 0CL150
00267	002670	03 SAVE-ANNULUS	PIC X.	DNM=14-464	BL=9	329	0682	DS 1C
00268	002680	05 FILLER	PIC X(20).	DNM=14-478	BL=9	329	0683	DS 20C
00269	002690	05 SAVE-ANNL-KEY	PIC X(20).	DNM=15-000	BL=9	33E	0703	DS 3C
00270	002700	05 SAVE-ANNL-LINE	PIC XXX.	DNM=15-027	BL=9	341	0706	DS 98C
00271	002710	05 FILLER	PIC X(98).	DNM=15-041	BL=9	343	0804	DS 2C
00272	002720	05 FILLER	PIC XX.	DNM=15-071	BL=9	345	0806	DS 26C
00273	002730	05 SAVE-ANNL-SPAWN-MARK	PIC X(26).	DNM=15-085	BL=9	30E	0832	DS 0CL150
00274	002740	05 FILLER	PIC X(26).	DNM=15-113	BL=9	30E	0832	DS 1C
00275	002750	03 SAVE-TAG-RECAPT.	PIC X.	DNM=15-127	BL=9	30E	0833	DS 20C
00276	002760	05 FILLER	PIC X(20).	DNM=15-156	BL=9	304	0853	DS 3C
00277	002770	05 SAVE-TAG-RECAPT-KEY	EFF ADDED	DNM=15-186	BL=9	304	0853	DS 3C
00278	002780	05 SAVE-TAG-RECAPT-LINE	PIC X(31) VALUE SPACES.	DNM=15-218	BL=9	307	0856	DS 6C
00279	002790	05 SAVE-TAG-RECAPT-LINE-R: REDEFINES	PIC X(31) VALUE SPACES.	DNM=15-253	BL=9	300	0862	DS 120C
00280	002800	05 FILLER	SAVE-TAG-RECAPT-LINE PIC 999.	DNM=15-267	BL=9	455	0982	DS 150C
00281	002810	05 SAVE-TAG-RECAPT-TAGNR	PIC X(120).	DNM=15-289	BL=9	4E8	1132	DS 0CL23
00282	002820	05 FILLER	PIC X(150).	DNM=15-313	BL=9	4E8	1132	DS 0CL20
00283	002830	03 ROLL-OUT-APEA	PIC X(150).	DNM=15-345	BL=9	4E8	1132	DS 0CL9
00284	002840	05 FILLER	PIC X(150).	DNM=15-376	BL=9	4E8	1132	DS 7C
00285	002850	03 WS-CURR-KEY	PIC X(107).	DNM=15-407	BL=9	4E4	1141	DS 11C
00286	002860	05 WS-CURR-SPECIES-KEY	PIC X(107).					
00287	002870	05 WS-CURR-REPLIC-KEY	PIC X(107).					
00288	002880	05 WS-CURR-ENVIR-KEY	PIC X(107).					
00289	002890	05 FILLER	PIC X(111).					
00290	002900	07 FILLER						
00291	002910	07 FILLER						

8	WM100	10.43.12	APR 3, 1984	INT NAME	BASE	DISP	RLOI	DEFINITION
00292	002920	05 FILLER	PIC X(103).	DNN=15-431	8L=9	4FF	1152	DS 3C
00293	002930	03 DEC-CNT	PIC S99 COMP-3.	DNN=15-445	8L=9	502	1155	DS 2P
00294	002940	03 DEC-CHECK-FLD.	PIC X.	DNN=15-462	8L=9	504	1157	DS OCL 4
00295	002950	05 DEC-CK-1	PIC X.	DNN=15-491	8L=9	504	1157	DS IC
00296	002960	05 DEC-CK-2	PIC X.	DNN=16-000	8L=9	505	1158	DS IC
00297	002970	05 DEC-CK-3	PIC X.	DNN=16-021	8L=9	506	1159	DS IC
00298	002980	05 DEC-CK-4	PIC X.	DNN=16-042	8L=9	507	1160	DS IC
00299	002990*	DUP-RECORD-DESC.		DNN=16-060	8L=9	508	0001	DS OCL 103
00300	003000	03 DUP-INDIV-ENTRY6 OCCURS 14 TIMES.		DNN=16-088	8L=9	508	0001	DS OCL 103
00301	003010	07 DUP-INDIV-ENTRY6	PIC X(13).	DNN=16-123	8L=9	508	0001	DS OCL 7
00302	003020	05 FILLER	PIC X(15).	DNN=16-152	8L=9	508	0001	DS 3C
00303	003030	03 DUP-INDIV-ENTRY7 OCCURS 11 TIMES.		DNN=16-179	8L=9	508	0004	DS 4C
00304	003040	05 FILLER	PIC X(15).	DNN=16-209	8L=9	56A	0099	DS 5C
00305	003050	03 DUP-INDIV-ENTRY7	PIC X(13).	DNN=16-223	8L=9	508	0001	DS OCL 103
00306	003060	05 DUP-INDIV-ENTRY7	PIC X(13).	DNN=16-258	8L=9	508	0001	DS OCL 9
00307	003070	07 DUP-INDIV-ENTRY7	PIC X(13).	DNN=16-287	8L=9	508	0001	DS 3C
00308	003080	07 DUP-INDIV-ENTRY7	PIC X(13).	DNN=16-314	8L=9	508	0004	DS 4C
00309	003090	07 DUP-INDIV-ENTRY7	PIC X(13).	DNN=16-341	8L=9	50F	0008	DS IC
00310	003100	05 FILLER	PIC X(15).	DNN=16-371	8L=9	510	0009	DS IC
00311	003110	03 DUP-INDIV-ENTRY7	PIC X(13).	DNN=16-401	8L=9	56B	0100	DS 4C
00312	003120	05 FILLER	PIC X(15).					
00313	003130*							

9	NW100	10.43.12	APR 3, 1984	INT NAME	BASE	DISP	RL01	DEFINITION
00315	003150*	***	***	03 REPORT1-HEAD1.				03040000
00316	003160*	***	***	03 REPORT1-HEAD1.				03050000
00317	003170*	***	***	03 REPORT1-HEAD1.				03060000
00318	003180*	***	***	03 REPORT1-HEAD1.				03070000
00319	003190	01	REPORT-LINES.	DNM=16-415	BL=9	570	0001	DS OCL1477
00320	003200	03	REPORT1-HEAD1.	DNM=16-443	BL=9	570	0001	DS OCL133
00321	003210	05	FILLER	DNM=16-469	BL=9	570	0001	DS 1C
00322	003220	05	FILLER	DNM=16-483	BL=9	571	0002	DS 9C
00323	003230	05	FILLER	DNM=16-497	BL=9	571	0011	DS 34C
00324	003240	05	FILLER	DNM=17-000	BL=9	59C	0045	DS 43C
00325	003250	05	FILLER	DNM=17-014	BL=9	507	0088	DS 30C
00326	003260	05	FILLER	DNM=17-028	BL=9	507	0118	DS 5C
00327	003270	05	FILLER	DNM=17-042	BL=9	507	0123	DS 4C
00328	003280	05	R1-PAGE-NU	DNM=17-072	BL=9	507	0127	DS 7C
00329	003290	05	FILLER	DNM=17-086	BL=9	507	0134	DS OCL133
00330	003300*	03	REPORT1-HEAD2.	DNM=17-115	BL=9	507	0134	DS 53C
00331	003310	05	FILLER	DNM=17-129	BL=9	62A	0187	DS 22C
00332	003320	05	FILLER	DNM=17-143	BL=9	640	0209	DS 42C
00333	003330	05	FILLER	DNM=17-157	BL=9	66A	0251	DS 5C
00334	003340	05	FILLER	DNM=17-171	BL=9	66A	0256	DS 8C
00335	003350	05	FILLER	DNM=17-192	BL=9	677	0264	DS 3C
00336	003360	05	FILLER	DNM=17-206	BL=9	67A	0267	DS OCL133
00337	003370	05	FILLER	DNM=17-239	BL=9	67A	0267	DS 1C
00338	003380	05	FILLER	DNM=17-253	BL=9	67A	0268	DS 21C
00339	003390*	03	REPORT1-COL-HEAD1.	DNM=17-267	BL=9	690	0289	DS 5C
00340	003400	05	FILLER	DNM=17-281	BL=9	695	0294	DS 18C
00341	003410	05	FILLER	DNM=17-295	BL=9	647	0312	DS 8C
00342	003420	05	FILLER	DNM=17-309	BL=9	647	0320	DS 6C
00343	003430	05	FILLER	DNM=17-323	BL=9	685	0326	DS 12C
00344	003440	05	FILLER	DNM=17-337	BL=9	6C1	0338	DS 5C
00345	003450	05	FILLER	DNM=17-351	BL=9	6C4	0343	DS 57C
00346	003460	05	FILLER	DNM=17-365	BL=9	6FF	0400	DS OCL133
00347	003470	05	FILLER	DNM=17-398	BL=9	6FF	0400	DS 1C
00348	003480	05	FILLER	DNM=17-412	BL=9	700	0401	DS 21C
00349	003490	05	FILLER	DNM=17-426	BL=9	715	0422	DS 6C
00350	003500	05	FILLER	DNM=17-440	BL=9	718	0428	DS 17C
00351	003510	05	FILLER	DNM=17-454	BL=9	72C	0445	DS 8C
00352	003520*	03	REPORT1-COL-HEAD2.	DNM=17-468	BL=9	734	0453	DS 7C
00353	003530	05	FILLER	DNM=17-482	BL=9	730	0460	DS 11C
00354	003540	05	FILLER	DNM=17-496	BL=9	746	0471	DS 7C
00355	003550	05	FILLER	DNM=18-000	BL=9	740	0478	DS 10C
00356	003560	05	FILLER	DNM=18-014	BL=9	757	0488	DS 45C
00357	003570*	03	REPORT1-DETAIL-LINE.	DNM=18-028	BL=9	784	0533	DS OCL133
00358	003580	05	FILLER					

10	10-43.12	APR 3-1984	INT NAME	BASE	DISP	RLOI	DEFINITION
00369	003690	05	FILLER	PIC X(02) VALUE SPACES.			
00370	003700	05	RPT1-REC-TYPE	PIC X.			
00371	003710	05	FILLER	PIC X(14) VALUE SPACES.			
00372	003720	05	RPT1-SEQ-NBR	PIC X(71).			
00373	003730	05	FILLER	PIC X(5) VALUE SPACES.			
00374	003740	05	RPT1-REP-NBR	PIC X(12).			
00375	003750	05	FILLER	PIC X(5) VALUE SPACES.			
00376	003760	05	RPT1-SPECIES-CODE	PIC X(10).			
00377	003770	05	RPT1-DASH	PIC X VALUE SPACES.			
00378	003780	05	RPT1-SPECIES-STATUS	PIC X.			
00379	003790	05	FILLER	PIC X(13) VALUE SPACES.			
00380	003800	05	RPT1-LINE-NBR	PIC X(13).			
00381	003810	05	FILLER	PIC X(5) VALUE SPACES.			
00382	003820	05	RPT1-MESSAGE	PIC X(14).			
00383	003830	05	FILLER	PIC X(5) VALUE SPACES.			
00384	003840	05	RPT1-ERROR	PIC X(19).			
00385	003850	05	FILLER	PIC X(01) VALUE SPACES.			
00386	003860	05	RPT1-DATA	PIC X(45).			
00387	003870	03	REPORT1-TOTAL-LINE1.				
00388	003880	05	FILLER	PIC X(11) VALUE SPACES.			
00389	003890	05	RPT-NBR-BEFORE-UPD	PIC Z,Z7,Z29 VALUE ZERO.			
00390	003900	05	FILLER	PIC X(31) VALUE			
00391	003910	05	MASTER FILE RECORDS BEFORE UPDATE.				
00392	003920	05	FILLER	PIC X(91) VALUE SPACES.			
00393	003930	03	REPORT1-TOTAL-LINE2.				
00394	003940	05	FILLER	PIC X(14) VALUE SPACES.			
00395	003950	05	RPT-NBR-RECS-ADDED	PIC Z,Z7,Z29 VALUE ZERO.			
00396	003960	05	FILLER	PIC X(30) VALUE			
00397	003970	05	RECORDS ADDED				
00398	003980	05	FILLER	PIC X(95) VALUE SPACES.			
00399	003990	03	REPORT1-TOTAL-LINE3.				
00400	004000	05	FILLER	PIC X(14) VALUE SPACES.			
00401	004010	05	RPT-NBR-RECS-CHG	PIC Z,Z7,Z29 VALUE ZERO.			
00402	004020	05	FILLER	PIC X(30) VALUE			
00403	004030	05	RECORDS CHANGED				
00404	004040	05	FILLER	PIC X(95) VALUE SPACES.			
00405	004050	03	REPORT1-TOTAL-LINE4.				
00406	004060	05	FILLER	PIC X(14) VALUE SPACES.			
00407	004070	05	RPT-NBR-RECS-DEL	PIC Z,Z7,Z29 VALUE ZERO.			
00408	004080	05	FILLER	PIC X(30) VALUE			
00409	004090	05	RECORDS DELETED				
00410	004100	05	FILLER	PIC X(95) VALUE SPACES.			
00411	004110	03	REPORT1-TOTAL-LINE5.				
00412	004120	05	FILLER	PIC X(14) VALUE SPACES.			
00413	004130	05	RPT-REJECT-TOT	PIC Z,Z7,Z29 VALUE ZERO.			
00414	004140	05	FILLER	PIC X(30) VALUE			
00415	004150	05	TOTAL TRANSACTIONS REJECTED.				
00416	004160	05	FILLER	PIC X(95) VALUE SPACES.			
00417	004170	03	REPORT1-TOTAL-LINE6.				
00418	004180	05	FILLER	PIC X(11) VALUE SPACES.			
00419	004190	05	RPT-NBR-AFTER-UPD	PIC Z,Z7,Z29 VALUE ZERO.			
00420	004200	05	FILLER	PIC X(31) VALUE			
00421	004210	05	MASTER FILE RECORDS AFTER UPDATE.				
00422	004220						

11	NM100	10-43.12	APR 3.1984	INT NAME	BASE	DISP	AL01	DEFINITION
00423	004230	05 - FILLER	PIC X(91) VALUE SPACES.	DNM-20-073	BL=9	ADA	1387	DS-91C
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								
48								
49								
50								
51								
52								
53								
54								
55								
56								
57								
58								
59								
60								
61								
62								
63								
64								
65								
66								
67								
68								
69								
70								
71								
72								
73								
74								
75								
76								
77								
78								
79								
80								
81								
82								
83								
84								
85								
86								
87								
88								
89								
90								
91								
92								
93								
94								
95								
96								
97								

INT	NAME	BASE	DISP	RL01	DEFINITION
00425	004250*	004250	01	REPORT-LINES?	04140000
00426	004260*	004260	03	REPORT2-HEAD1.	04150000
00427	004270*	004270	05	FILLER	04160000
00428	004280*	004280	05	FILLER	04170000
00429	004290	004290	05	FILLER	04180000
00430	004300	004300	05	FILLER	04190000
00431	004310	004310	05	FILLER	04200000
00432	004320	004320	05	FILLER	04210000
00433	004330	004330	05	FILLER	04220000
00434	004340	004340	05	FILLER	04230000
00435	004350	004350	05	FILLER	04240000
00436	004360	004360	05	FILLER	04250000
00437	004370	004370	05	FILLER	04260000
00438	004380	004380	05	FILLER	04270000
00439	004390	004390	05	FILLER	04280000
00440	004400*	004400	05	FILLER	04290000
00441	004410	004410	05	FILLER	04300000
00442	004420	004420	05	FILLER	04310000
00443	004430	004430	05	FILLER	04320000
00444	004440	004440	05	FILLER	04330000
00445	004450	004450	05	FILLER	04340000
00446	004460	004460	05	FILLER	04350000
00447	004470	004470	05	FILLER	04360000
00448	004480	004480	05	FILLER	04370000
00449	004490*	004490	05	FILLER	04380000
00450	004500	004500	05	FILLER	04390000
00451	004510	004510	05	FILLER	04400000
00452	004520	004520	05	FILLER	04410000
00453	004530	004530	05	FILLER	04420000
00454	004540	004540	05	FILLER	04430000
00455	004550	004550	05	FILLER	04440000
00456	004560	004560	05	FILLER	04450000
00457	004570	004570	05	FILLER	04460000
00458	004580	004580	05	FILLER	04470000
00459	004590	004590	05	FILLER	04480000
00460	004600	004600	05	FILLER	04490000
00461	004610	004610	05	FILLER	04500000
00462	004620	004620	05	FILLER	04510000
00463	004630*	004630	05	FILLER	04520000
00464	004640	004640	05	FILLER	04530000
00465	004650	004650	05	FILLER	04540000
00466	004660	004660	05	FILLER	04550000
00467	004670	004670	05	FILLER	04560000
00468	004680	004680	05	FILLER	04570000
00469	004690	004690	05	FILLER	04580000
00470	004700	004700	05	FILLER	04590000
00471	004710	004710	05	FILLER	04600000
00472	004720	004720	05	FILLER	04610000
00473	004730	004730	05	FILLER	04620000
00474	004740	004740	05	FILLER	04630000
00475	004750	004750	05	FILLER	04640000
00476	004760	004760	05	FILLER	04650000
00477	004770*	004770	05	FILLER	04660000
00478	004780	004780	05	FILLER	04670000

13	NW100	10-43.12	APR 3, 1984	INT NAME	BASE	DISP	RL01	DEFINITION
00479	004790	05 FILLER	PIC X(11) VALUE SPACES.	DNM=21-236	BL=9	048	0532	DS 11C
00480	004800	05 RPT2-REC-TYPE	PIC X.	DNM=21-250	BL=9	056	0543	DS 1C
00481	004810	05 FILLER	PIC X(4) VALUE SPACES.	DNM=21-273	BL=9	057	0544	DS 4C
00482	004820	05 RPT2-SEQ-NBR	PIC X(7) VALUE SPACES.	DNM=21-287	BL=9	058	0548	DS 7C
00483	004830	05 FILLER	PIC X(5) VALUE SPACES.	DNM=21-309	BL=9	062	0555	DS 5C
00484	004840	05 RPT2-REP-NBR	PIC X(2) VALUE SPACES.	DNM=21-323	BL=9	067	0560	DS 2C
00485	004850	05 FILLER	PIC X(5) VALUE SPACES.	DNM=21-348	BL=9	069	0562	DS 5C
00486	004860	05 RPT2-SPECIES-CODE	PIC X(10) VALUE SPACES.	DNM=21-362	BL=9	06E	0567	DS 10C
00487	004870	05 RPT2-DASH	PIC X VALUE SPACE.	DNM=21-392	BL=9	078	0577	DS 1C
00488	004880	05 RPT2-SPECIES-STATUS	PIC X.	DNM=21-411	BL=9	079	0578	DS 1C
00489	004890	05 FILLER	PIC X(3) VALUE SPACES.	DNM=21-440	BL=9	07A	0579	DS 3C
00490	004900	05 RPT2-LINE-NBR	PIC X(3) VALUE SPACES.	DNM=21-454	BL=9	07D	0582	DS 3C
00491	004910	05 FILLER	PIC X(7) VALUE SPACES.	DNM=21-480	BL=9	080	0595	DS 7C
00492	004920	05 RPT2-ERR-MSG	PIC X(45) VALUE SPACES.	DNM=22-000	BL=9	087	0592	DS 45C
00493	004930	05 FILLER	PIC X(28) VALUE SPACES.	DNM=22-025	BL=9	084	0637	DS 28C
00494	004940	03 RPT2-DETAIL-LINE2.		DNM=22-039	BL=9	0D0	0665	DS 0CL133
00495	004950	05 FILLER	PIC X(60) VALUE SPACES.	DNM=22-072	BL=9	0D0	0665	DS 60C
00496	004960	05 LINE2-ERR-MSG	PIC X(45) VALUE SPACES.	DNM=22-086	BL=9	E0C	0725	DS 45C
00497	004970	05 FILLER	PIC X(28) VALUE SPACES.	DNM=22-112	BL=9	E39	0770	DS 28C
00498	004980							

[illegible]

15	NW100	10.43.12	APR 3, 1984	INT NAME	BASE	DISP	RLOI	DEFINITION
00554	005540	05 FILLER	PIC X(53) VALUE SPACES.	DNM=23-200	BL=10	060	0534	DS 53C
00555	005550	05 FILLER	PIC X(40)	DNM=23-214	BL=10	0A2	0587	DS 40C
00556	005560	05 FILLER	DATA	DNM=23-228	BL=10	0CA	0627	DS 27C
00557	005570	05 FILLER	RECORD	DNM=23-242	BL=10	0E5	0654	DS 14C
00558	005580	05 FILLER	RECORD	DNM=23-256	BL=10	0F3	0668	DS 0CL133
00559	005590	05 FILLER	RECORD	DNM=23-288	BL=10	0F8	0673	DS 7C
00560	005600	03 REPORT3-DETAIL-LINE.	PIC X(14) VALUE SPACES.	DNM=23-302	BL=10	0FF	0680	DS 6C
00561	005610	05 FILLER	PIC X(16) VALUE SPACES.	DNM=23-338	BL=10	105	0686	DS 2C
00562	005620	05 FILLER	PIC X(16) VALUE SPACES.	DNM=23-363	BL=10	107	0688	DS 6C
00563	005630	05 FILLER	PIC X(16) VALUE SPACES.	DNM=23-377	BL=10	10D	0694	DS 10C
00564	005640	05 FILLER	PIC X(16) VALUE SPACES.	DNM=23-407	BL=10	117	0704	DS 1C
00565	005650	05 FILLER	PIC X(16) VALUE SPACES.	DNM=23-429	BL=10	118	0705	DS 1C
00566	005660	05 FILLER	PIC X(16) VALUE SPACES.	DNM=23-461	BL=10	119	0706	DS 4C
00567	005670	05 FILLER	PIC X(16) VALUE SPACES.	DNM=23-475	BL=10	11D	0710	DS 3C
00568	005680	05 FILLER	PIC X(16) VALUE SPACES.	DNM=24-000	BL=10	120	0713	DS 10C
00569	005690	05 FILLER	PIC X(16) VALUE SPACES.	DNM=24-014	BL=10	12A	0723	DS 1C
00570	005700	05 FILLER	PIC X(16) VALUE SPACES.	DNM=24-040	BL=10	12B	0724	DS 9C
00571	005710	05 FILLER	PIC X(16) VALUE SPACES.	DNM=24-054	BL=10	134	0733	DS 1C
00572	005720	05 FILLER	PIC X(16) VALUE SPACES.	DNM=24-078	BL=10	135	0734	DS 9C
00573	005730	05 FILLER	PIC X(16) VALUE SPACES.	DNM=24-092	BL=10	13E	0743	DS 1C
00574	005740	05 FILLER	PIC X(16) VALUE SPACES.	DNM=24-117	BL=10	13F	0744	DS 9C
00575	005750	05 FILLER	PIC X(16) VALUE SPACES.	DNM=24-131	BL=10	148	0753	DS 1C
00576	005760	05 FILLER	PIC X(16) VALUE SPACES.	DNM=24-155	BL=10	149	0754	DS 9C
00577	005770	05 FILLER	PIC X(16) VALUE SPACES.	DNM=24-169	BL=10	152	0763	DS 1C
00578	005780	05 FILLER	PIC X(16) VALUE SPACES.	DNM=24-200	BL=10	153	0764	DS 9C
00579	005790	05 FILLER	PIC X(16) VALUE SPACES.	DNM=24-214	BL=10	15C	0773	DS 1C
00580	005800	05 FILLER	PIC X(16) VALUE SPACES.	DNM=24-241	BL=10	15D	0774	DS 9C
00581	005810	05 FILLER	PIC X(16) VALUE SPACES.	DNM=24-255	BL=10	166	0783	DS 1C
00582	005820	05 FILLER	PIC X(16) VALUE SPACES.	DNM=24-285	BL=10	167	0784	DS 17C
00583	005830	05 FILLER	PIC X(16) VALUE SPACES.					
00584	005840	05 FILLER	PIC X(16) VALUE SPACES.					
00585	005850	05 FILLER	PIC X(16) VALUE SPACES.					
00586	005860	05 FILLER	PIC X(16) VALUE SPACES.					

05770000	DNW=24-299	BL=10 178	0001	DS 16C
05780000				
05790000				
05800000				
05810000				
05820000				
05830000				
05840000				
05850000				
05860000				
05870000				
05880000				
05890000				
05900000				
05910000				
05920000				
05930000				
05940000				
05950000				
05960000				
05970000				
05980000				
05990000				
06000000				
06010000				
06020000				
06030000				
06040000				
06050000				
06060000				
06070000				
06080000				
06090000				
06100000				
06110000				
06120000				
06130000				
06140000				
06150000				
06160000				
06170000				
06180000				
06190000				
06200000				
06210000				
06220000				
06230000				
06240000				
06250000				
06260000				
06270000				
06280000				
06290000				
06300000				
06310000				
06320000				
06330000				
06340000				
06350000				
06360000				
06370000				
06380000				
06390000				
06400000				
06410000				
06420000				
06430000				
06440000				
06450000				
06460000				
06470000				
06480000				
06490000				
06500000				
06510000				
06520000				
06530000				
06540000				
06550000				
06560000				
06570000				
06580000				
06590000				
06600000				
06610000				
06620000				
06630000				
06640000				
06650000				
06660000				
06670000				
06680000				
06690000				
06700000				
06710000				
06720000				
06730000				
06740000				
06750000				

17	NW100	10.43.12	APR 3, 1984	INT NAME	BASE	DISP	RLOI	DEFINITION
2	00642	000500	05 ENVIR-GEAR-TYPE	PIC X(3).	BL=10	1C6	0063	05 3C
3	00643	000510	05 ENVIR-GEAR-PARMI	PIC X(4).	BL=10	1C9	0066	05 4C
4	00644	000520	05 ENVIR-GEAR-PARM2	PIC X(4).	BL=10	1CD	0070	05 4C
5	00645	000530	05 ENVIR-GEAR-PARM3	PIC X(4).	BL=10	1D1	0074	05 4C
6	00646	000540	05 ENVIR-PIG	PIC X.	BL=10	1D5	0078	05 1C
7	00647	000550	05 ENVIR-TYPE-OF-TOW	PIC X.	BL=10	1D6	0079	05 1C
8	00648	000560	05 ENVIR-BOTTOM-TYPE	PIC X(2).	BL=10	1D7	0080	05 2C
9	00649	000570	05 ENVIR-BOTTOM-PROFILE	PIC X.	BL=10	1D9	0082	05 1C
10	00650	000580	05 ENVIR-DEPTH	PIC X(3).	BL=10	1DA	0083	05 3C
11	00651	000590	05 ENVIR-AIR-TEMP	PIC X(3).	BL=10	1DD	0086	05 3C
12	00652	000600	05 ENVIR-SURFACE-TEMP	PIC X(3).	BL=10	1E0	0089	05 3C
13	00653	000610	05 ENVIR-BOTTOM-TEMP	PIC X(3).	BL=10	1E3	0092	05 3C
14	00654	000620	05 ENVIR-SURFACE-SALIN	PIC X(3).	BL=10	1E6	0095	05 3C
15	00655	000630	05 ENVIR-BOTTOM-SALIN	PIC X(3).	BL=10	1E9	0098	05 3C
16	00656	000640	05 ENVIR-CONDUCT	PIC X(4).	BL=10	1EC	0101	05 4C
17	00657	000650	05 ENVIR-SURFACE-DO	PIC X(3).	BL=10	1F0	0105	05 3C
18	00658	000660	05 ENVIR-BOTTOM-DO	PIC X(3).	BL=10	1F3	0108	05 3C
19	00659	000670	05 ENVIR-PH	PIC X(2).	BL=10	1F6	0111	05 2C
20	00660	000680	05 ENVIR-WEATHER	PIC X.	BL=10	1F8	0113	05 1C
21	00661	000690	05 ENVIR-BAROMETER	PIC X(4).	BL=10	1F9	0114	05 4C
22	00662	000700	05 ENVIR-WIND-DIRECT	PIC X.	BL=10	1FD	0118	05 1C
23	00663	000710	05 ENVIR-WIND-SPEED	PIC X(2).	BL=10	1FE	0119	05 2C
24	00664	000720	05 ENVIR-CURRENT-DIRECT	PIC X.	BL=10	200	0121	05 1C
25	00665	000730	05 ENVIR-CURRENT-SPEED	PIC X(2).	BL=10	201	0122	05 2C
26	00666	000740	05 ENVIR-WATER-LEVEL	PIC X.	BL=10	203	0124	05 1C
27	00667	000750	05 ENVIR-STAIR-ALTER	PIC X.	BL=10	204	0125	05 1C
28	00668	000760	05 ENVIR-ALLOWED-ACT	PIC X.	BL=10	205	0126	05 1C
29	00669	000770	05 ENVIR-NUMBER-REPLIC	PIC X(2).	BL=10	206	0127	05 2C
30	00670	000780	03 TR-REPLICATE-DATA REDEFINES TR-DATA.	PIC X(6).	BL=10	1A1	0026	05 OCL103
31	00671	000790	05 RP-COLLECT-SIZE	PIC X(6).	BL=10	1A1	0026	05 6C
32	00672	000800	05 RP-COLLECT-SIZE-R REDEFINES RP-COLLECT-SIZE PIC 9(6).	PIC X(6).	BL=10	1A1	0026	05 6C
33	00673	000810	05 RP-SAMPLE-SIZE	PIC X(6).	BL=10	1A7	0032	05 6C
34	00674	000820	05 PP-SAMPLE-SIZE-R REDEFINES RP-SAMPLE-SIZE PIC 9(6).	PIC X(2).	BL=10	1AD	0036	05 2C
35	00675	000830	05 RP-NUMBER-SPECIES	PIC X(2).	BL=10	1AF	0040	05 1C
36	00676	000840	05 RP-QUALITY	PIC X.	BL=10	1B0	0041	05 8BC
37	00677	000850	05 FILLER	PIC X(88).	BL=10	1B1	0042	05 8BC
38	00678	000860	03 TR-SPECIES-DATA REDEFINES TR-DATA.	PIC X(5).	BL=10	1A1	0026	05 OCL103
39	00679	000870	05 SPE-TOTAL-CNT	PIC X(5).	BL=10	1A1	0026	05 5C
40	00680	000880	05 SPE-TOTAL-CNT-R REDEFINES SPE-TOTAL-CNT PIC 9(5).	PIC X(6).	BL=10	1A1	0026	05 5C
41	00681	000890	05 SPE-TOTAL-WGT	PIC X(6).	BL=10	1A6	0031	05 6C
42	00682	000900	05 SPE-TOTAL-WGT-R REDEFINES SPE-TOTAL-WGT PIC 9(6).	PIC X(5).	BL=10	1A6	0031	05 6C
43	00683	000910	05 SPE-SAMPLE-CNT	PIC X(5).	BL=10	1AC	0037	05 5C
44	00684	000920	05 SPE-SAMPLE-CNT-R REDEFINES SPE-SAMPLE-CNT	PIC 9(5).	BL=10	1AC	0037	05 5C
45	00685	000930	05 SPE-SAMPLE-WGT	PIC X(6).	BL=10	1B1	0042	05 6C
46	00686	000940	05 SPE-SAMPLE-WGT-R REDEFINES SPE-SAMPLE-WGT	PIC 9(6).	BL=10	1B1	0042	05 6C
47	00687	000950	05 SPE-SUBSAMPLE-CNT	PIC X(5).	BL=10	1B7	0048	05 5C
48	00688	000960	05 SPE-SUBSAMPLE-CNT-R REDEFINES SPE-SUBSAMPLE-CNT	PIC 9(5).	BL=10	1B7	0048	05 5C
49	00689	000970	05 SPE-SUBSAMPLE-WGT	PIC X(6).	BL=10	1B8	0053	05 6C
50	00690	000980	05 SPE-SUBSAMPLE-WGT-R REDEFINES SPE-SUBSAMPLE-WGT	PIC 9(6).	BL=10	1B8	0053	05 6C
51	00691	000990	05 SPE-INDIV-FORMAT-CODE	PIC X.	BL=10	1C2	0059	05 1C
52	00692	001000						
53	00693	001010						
54	00694	001020						
55	00695	001030						

18	NR100	10.43.12	APR 3, 1984	INT NAME	BASE	DISP	RL01	DEFINITION
00696	001040	05 SPE-TAG-TYPE1	PIC X.	DNM-29-328	BL=10	IC3	0060	DS 1C
00697	001050	05 SPE-NBR-TAGGED1	PIC X(15).	DNM-29-354	BL=10	IC4	0061	DS 5C
00698	001060	05 SPE-TAG-TYPE2	PIC X.	DNM-29-379	BL=10	IC9	0066	DS 1C
00699	001070	05 SPE-NBR-TAGGED2	PIC X(15).	DNM-29-402	BL=10	ICA	0067	DS 5C
00700	001080	05 FILLER	PIC X(57).	DNM-29-430	BL=10	ICF	0072	DS 57C
00701	001090	03 TR-INDIVIDUAL-DATA REDEFINES TR-DATA.		DNM-29-444	BL=10	IAI	0026	DS OCL103
00702	001100	05 INDIV-CNT	PIC X(4).	DNM-29-478	BL=10	IAI	0026	DS 5C
00703	001110	05 INDIV-LTH	PIC X(4).	DNM-30-000	BL=10	IA4	0029	DS 4C
00704	001120	05 INDIV-LTH-R REDEFINES INDIV-LTH PIC 9(4).		DNM-30-019	BL=10	IA4	0029	DS 4C
00705	001130	05 INDIV-DETAILS.		DNM-30-043	BL=10	IA8	0033	DS OCL38
00706	001140	07 TEMP-FILLER	PIC X.	DNM-30-069	BL=10	IA8	0033	DS 1C
00707	001150	07 INDIV-WGT	PIC X(15).	DNM-30-090	BL=10	IA9	0034	DS 5C
00708	001160	07 INDIV-SEX	PIC X.	DNM-30-109	BL=10	IAE	0039	DS 1C
00709	001170	07 INDIV-NATURE	PIC X.	DNM-30-131	BL=10	IAF	0040	DS 1C
00710	001180	07 INDIV-PARM1	PIC X(4).	DNM-30-156	BL=10	IB0	0041	DS 4C
00711	001190	07 INDIV-PARM2	PIC X(4).	DNM-30-180	BL=10	IB4	0045	DS 4C
00712	001200	07 INDIV-PARM3	PIC X(4).	DNM-30-201	BL=10	IB8	0049	DS 4C
00713	001210	07 INDIV-EGG-CNT	PIC X(4).	DNM-30-222	BL=10	IBC	0053	DS 4C
00714	001220	07 INDIV-EGG-STAGE	PIC X.	DNM-30-248	BL=10	IC0	0057	DS 1C
00715	001230	07 INDIV-STATUS	PIC X.	DNM-30-273	BL=10	IC1	0058	DS 1C
00716	001240	07 INDIV-TAG-NBR	PIC X(6).	DNM-30-295	BL=10	IC2	0059	DS 6C
00717	001250	07 INDIV-TAG-NBR-R REDEFINES INDIV-TAG-NBR PIC 9(6).		DNM-30-321	BL=10	IC2	0059	DS 6C
00718	001260	07 INDIV-AGE-STATUS	PIC X.	DNM-30-346	BL=10	IC8	0065	DS 1C
00719	001270	07 INDIV-AGE-STRUCTURE	PIC X.	DNM-30-375	BL=10	IC9	0066	DS 1C
00720	001280	07 INDIV-AGE	PIC X(2).	DNM-30-404	BL=10	ICA	0067	DS 2C
00721	001290	07 INDIV-AGE-R REDEFINES INDIV-AGE PIC 99.		DNM-30-423	BL=10	ICA	0067	DS 2C
00722	001300	07 INDIV-SPAWN-MARK-CNT PIC X(2).		DNM-30-447	BL=10	ICC	0069	DS 2C
00723	001310	07 INDIV-SPAWN-MARK-CNT-R REDEFINES INDIV-SPAWN-MARK-CNT PIC 99.		DNM-30-477	BL=10	ICC	0069	DS 2C
00724	001320	05 FILLER	PIC X(58).	DNM-31-000	BL=10	ICE	0071	DS 58C
00725	001330	03 TR-ANNUUS-DATA REDEFINES TR-DATA.		DNM-31-214	BL=10	IA1	0026	DS OCL103
00726	001340	05 ANL-AGE	PIC X(2).	DNM-31-042	BL=10	IA1	0026	DS 2C
00727	001350	05 ANL-AGE-R REDEFINES ANL-AGE PIC 99.		DNM-31-062	BL=10	IA1	0026	DS 2C
00728	001360	05 ANL-LTH-TO-EDGE	PIC X(13).	DNM-31-081	BL=10	IA3	0028	DS 3C
00729	001370	05 ANL-LTH-TO-EDGE-R REDEFINES ANL-LTH-TO-EDGE PIC 9(3).		DNM-31-109	BL=10	IA3	0028	DS 3C
00730	001380	05 ANL-MARGIN-INCR	PIC X(3).	DNM-31-139	BL=10	IA6	0031	DS 3C
00731	001390	05 ANL-MARGIN-INCR-R REDEFINES ANL-MARGIN-INCR PIC 9(3).		DNM-31-167	BL=10	IA6	0031	DS 3C
00732	001400	05 ANL-DISTANCES.		DNM-31-197	BL=10	IA9	0034	DS OCL90
00733	001410	07 ANL-DISTANCE1	PIC X(3).	DNM-31-226	BL=10	IA9	0034	DS 3C
00734	001420	07 ANL-DISTANCE2	PIC X(3).	DNM-31-252	BL=10	IAC	0037	DS 3C
00735	001430	07 ANL-DISTANCE3	PIC X(3).	DNM-31-278	BL=10	IAF	0040	DS 3C
00736	001440	07 ANL-DISTANCE4	PIC X(3).	DNM-31-301	BL=10	IB2	0043	DS 3C
00737	001450	07 ANL-DISTANCE5	PIC X(3).	DNM-31-327	BL=10	IB5	0046	DS 3C
00738	001460	07 ANL-DISTANCE6	PIC X(3).	DNM-31-350	BL=10	IB8	0049	DS 3C
00739	001470	07 ANL-DISTANCE7	PIC X(3).	DNM-31-376	BL=10	IB8	0052	DS 3C
00740	001480	07 ANL-DISTANCE8	PIC X(3).	DNM-31-399	BL=10	IB8	0055	DS 3C
00741	001490	07 ANL-DISTANCE9	PIC X(3).	DNM-31-425	BL=10	IC1	0058	DS 3C
00742	001500	07 ANL-DISTANCE10	PIC X(3).	DNM-31-451	BL=10	IC4	0061	DS 3C
00743	001510	07 ANL-DISTANCE11	PIC X(3).	DNM-31-475	BL=10	IC7	0064	DS 3C
00744	001520	07 ANL-DISTANCE12	PIC X(3).	DNM-32-000	BL=10	ICA	0067	DS 3C
00745	001530	07 ANL-DISTANCE13	PIC X(3).	DNM-32-027	BL=10	ICD	0070	DS 3C
00746	001540	07 ANL-DISTANCE14	PIC X(3).	DNM-32-054	BL=10	ID0	0073	DS 3C
00747	001550	07 ANL-DISTANCE15	PIC X(3).	DNM-32-081	BL=10	ID3	0076	DS 3C
00748	001560							
00749	001570							

19 NM100 10.43.12 APR 3.1984

INT NAME BASE DISP RLO1 DEFINITION

00750 001580 07-ANL-DISTANCE16 PIC X(3). 0079 05 3C
00751 001590 07-ANL-DISTANCE17 PIC X(3). 0082 05 3C
00752 001600 07-ANL-DISTANCE18 PIC X(3). 0085 05 3C
00753 001610 07-ANL-DISTANCE19 PIC X(3). 0088 05 3C
00754 001620 07-ANL-DISTANCE20 PIC X(3). 0091 05 3C
00755 001630 07-ANL-DISTANCE21 PIC X(3). 0094 05 3C
00756 001640 07-ANL-DISTANCE22 PIC X(3). 0097 05 3C
00757 001650 07-ANL-DISTANCE23 PIC X(3). 0100 05 3C
00758 001660 07-ANL-DISTANCE24 PIC X(3). 0103 05 3C
00759 001670 07-ANL-DISTANCE25 PIC X(3). 0106 05 3C
00760 001680 07-ANL-DISTANCE26 PIC X(3). 0109 05 3C
00761 001690 07-ANL-DISTANCE27 PIC X(3). 0112 05 3C
00762 001700 07-ANL-DISTANCE28 PIC X(3). 0115 05 3C
00763 001710 07-ANL-DISTANCE29 PIC X(3). 0118 05 3C
00764 001720 07-ANL-DISTANCE30 PIC X(3). 0121 05 3C
00765 001730 05-ANL-DIST-R REDEFINES ANL-DISTANCES. 0034 05 OCL90
00766 001740 07-ANL-DIST-OCCURS 30 TIMES PIC 9(3). 0034 05 3C
00767 001750 05-ANL-DIST-OCCURS 30 TIMES PIC 9(3). 0034 05 3C
00768 001760 05-FILLER PIC XXX. 0124 05 2C
00769 001770 03-TR-TAG-RECAPTURE-DATE REDEFINES TR-DATA. 0026 05 OCL103
00770 001780 05-TAG-NUMBER PIC X(6). 0026 05 6C
00771 001790 05-TAG-TYPE PIC X. 0032 05 1C
00772 001800 05-RECAPTURE-LOC PIC X(10). 0033 05 6C
00773 001810 05-RECAPTURE-GEAR PIC X(3). 0039 05 10C
00774 001820 05-DAYS-OUT PIC X(4). 0049 05 3C
00775 001830 05-DIST-TRAVELED PIC X(6). 0052 05 4C
00776 001840 05-RECAPTURE-LENGTH PIC X(4). 0056 05 4C
00777 001850 05-RECAPTURE-WEIGHT PIC X(5). 0060 05 4C
00778 001860 05-MATURITY PIC X(1). 0064 05 5C
00779 001870 05-FILLER PIC X(59). 0069 05 1C
00780 001880 05-FILLER PIC X(59). 0070 05 59C
00781 001890 05-FILLER PIC X(59). 0070 05 59C

27	NM100	10.43.12	APR 3.1984	INT NAME	BASE	DISP	RL01	DEFINITION
01161	003740	07 ANL-DISTANCE22	PIC X(3).	DNM=52-243	BL=10 277	0096	DS 3C	
01162	003750	07 ANL-DISTANCE23	PIC X(3).	DNM=52-270	BL=10 27A	0099	DS 3C	
01163	003760	07 ANL-DISTANCE24	PIC X(3).	DNM=52-297	BL=10 27D	0102	DS 3C	
01164	003770	07 ANL-DISTANCE25	PIC X(3).	DNM=52-324	BL=10 280	0105	DS 3C	
01165	003780	07 ANL-DISTANCE26	PIC X(3).	DNM=52-351	BL=10 283	0108	DS 3C	
01166	003790	07 ANL-DISTANCE27	PIC X(3).	DNM=52-378	BL=10 286	0111	DS 3C	
01167	003800	07 ANL-DISTANCE28	PIC X(3).	DNM=52-405	BL=10 289	0114	DS 3C	
01168	003810	07 ANL-DISTANCE29	PIC X(3).	DNM=52-432	BL=10 29C	0117	DS 3C	
01169	003820	07 ANL-DISTANCE30	PIC X(3).	DNM=52-459	BL=10 28F	0120	DS 3C	
01170	003830	05 ANL-DIST-R REDEFINES-ANL-DISTANCES.		DNM=53-000	BL=10 238	0033	DS 0CL90	
01171	003840	07 ANL-DIST OCCURS 30 TIMES PIC 9(3).		DNM=53-026	BL=10 238	0033	DS 3C	
01172	003850	05 NUM-OF-SPAWN-MARKS	PIC XX.	DNM=53-047	BL=10 292	0123	DS 2C	
01173	003860	05 NUM-OF-SPAWN-MARKS-R REDEFINES		DNM=53-078	BL=10 292	0123	DS 2C	
01174	003870	05 FILLER						
01175	003880	05 DATE-MODIFIED	PIC X(18).	DNM=53-111	BL=10 294	0125	DS 18C	
01176	003890	05 TAG-RECAPTURE-DATE REDEFINES DATA-BY-RECORD-TYPE.		DNM=53-125	BL=10 2A6	0143	DS 8C	
01177	003900	05 TAG-NUMBER	PIC X(6).	DNM=53-151	BL=10 230	0025	DS 0CL126	
01178	003910	05 TAG-NUMBER-R REDEFINES TAG-NUMBER.		DNM=53-185	BL=10 230	0025	DS 6C	
01179	003920	07 TAG-NUMBER-ALPHAB	PIC X.	DNM=53-208	BL=10 230	0025	DS 0CL6	
01180	003930	07 TAG-NUMBER-ALPHAB	PIC X.	DNM=53-236	BL=10 230	0025	DS 1C	
01181	003940	07 TAG-NUMBER-DIGIT	PIC 9999.	DNM=53-263	BL=10 231	0026	DS 1C	
01182	003950	05 TAG-TYPE	PIC X.	DNM=53-290	BL=10 232	0027	DS 4C	
01183	003960	05 RECAPTURE-DATE	PIC XX.	DNM=53-319	BL=10 236	0031	DS 1C	
01184	003970	05 RECAPTURE-DATE	PIC XX.	DNM=53-340	BL=10 237	0032	DS 0CL6	
01185	003980	07 RECAPTURE-DATE	PIC 99.	DNM=53-370	BL=10 237	0032	DS 2C	
01186	003990	07 RECAPTURE-DATE	PIC 99.	DNM=53-392	BL=10 239	0034	DS 2C	
01187	004000	05 RECAPTURE-DATE-R REDEFINES RECAPTURE-DATE.		DNM=53-414	BL=10 238	0036	DS 2C	
01188	004010	07 RECAPTURE-DATE	PIC 99.	DNM=53-436	BL=10 237	0032	DS 2C	
01189	004020	07 RECAPTURE-DATE	PIC 99.	DNM=53-468	BL=10 239	0034	DS 2C	
01190	004030	07 RECAPTURE-DATE	PIC 99.	DNM=54-000	BL=10 238	0036	DS 2C	
01191	004040	05 RECAPTURE-DATE	PIC 99.	DNM=54-024	BL=10 230	0038	DS 1C	
01192	004050	05 RECAPTURE-DATE	PIC X(10).	DNM=54-048	BL=10 247	0048	DS 3C	
01193	004060	05 RECAPTURE-DATE	PIC X(10).	DNM=54-074	BL=10 247	0048	DS 3C	
01194	004070	05 DAYS-OUT	PIC X(4).	DNM=54-101	BL=10 244	0051	DS 4C	
01195	004080	05 DAYS-OUT-R REDEFINES DAYS-OUT		DNM=54-122	BL=10 244	0051	DS 4C	
01196	004090	05 DIST-TRAVELLED	PIC X(4).	DNM=54-145	BL=10 24F	0055	DS 4C	
01197	004100	05 RECAPTURE-LENGTH	PIC X(4).	DNM=54-171	BL=10 252	0059	DS 4C	
01198	004110	05 RECAPTURE-WEIGHT	PIC X(5).	DNM=54-200	BL=10 256	0063	DS 5C	
01199	004120	05 MATURITY	PIC X(1).	DNM=54-229	BL=10 258	0068	DS 1C	
01200	004130	05 FILLER		DNM=54-250	BL=10 25C	0069	DS 74C	
01201	004140	05 DATE-MODIFIED	PIC X(18).	DNM=54-264	BL=10 2A6	0143	DS 8C	
01202	004150	*****	*****					
01203	004160	*****	*****					

[illegible]

29	NM100	10.43.12	APR 3,1984	INT NAME	BASE	DISP	RL01	DEFINITION
01211	000020	*****	*****	*****	*****	*****	*****	*****
01212	000030	*****	*****	*****	*****	*****	*****	*****
01213	000040	*****	*****	*****	*****	*****	*****	*****
01214	000050	*****	*****	*****	*****	*****	*****	*****
01215	000060	*****	*****	*****	*****	*****	*****	*****
01216	000070	*****	*****	*****	*****	*****	*****	*****
01217	000080	*****	*****	*****	*****	*****	*****	*****
01218	000090	*****	*****	*****	*****	*****	*****	*****
01219	000100	01	DATECALC-LINKAGE.	DNM=54-318	BL=10	2C0	0001	OS OCL178
01220	000110	02	DATECALC-SET-A.	DNM=54-350	BL=10	2C0	0001	OS OCL87
01221	000120	03	CNVT-SDN	DNM=54-380	BL=10	2C0	0001	OS 7C
01222	000130	04	88 CNVT-SDN-15-ZERO	DNM=54-433	BL=10	2C7	0008	DS 5C
01223	000140	05	03 CNVT-JULIAN5	DNM=55-000	BL=10	2C7	0008	DS OCL5
01224	000150	06	03 CNVT-JULIAN5	DNM=55-017	BL=10	2C7	0008	DS 2C
01225	000160	07	03 FILLER REDEFINES CNVT-JULIAN5.	DNM=55-047	BL=10	2C9	0010	DS 3C
01226	000170	08	04 CNVT-JULIAN5-YEAR	DNM=55-076	BL=10	2CC	0013	DS 7C
01227	000180	09	04 CNVT-JULIAN5-DAY	DNM=55-140	BL=10	2CC	0013	DS OCL7
01228	000190	10	03 CNVT-JULIAN7	DNM=55-157	BL=10	2CC	0013	DS 4C
01229	000200	11	03 FILLER REDEFINES CNVT-JULIAN7.	DNM=55-187	BL=10	200	0017	DS 3C
01230	000210	12	04 CNVT-JULIAN7-YEAR	DNM=55-213	BL=10	2D3	0020	DS 6C
01231	000220	13	04 CNVT-JULIAN7-DAY	DNM=55-271	BL=10	2D3	0020	DS OCL6
01232	000230	14	03 CNVT-MDY6	DNM=55-288	BL=10	2D3	0020	DS 2C
01233	000240	15	88 CNVT-MDY6-15-ZERO	DNM=55-316	BL=10	2D5	0022	DS 2C
01234	000250	16	03 FILLER REDEFINES CNVT-MDY6.	DNM=55-339	BL=10	2D7	0024	DS 2C
01235	000260	17	04 CNVT-MDY6-MONTH	DNM=55-366	BL=10	2D9	0026	DS 8C
01236	000270	18	04 CNVT-MDY6-DAY	DNM=55-418	BL=10	2D9	0026	DS OCL8
01237	000280	19	03 FILLER REDEFINES CNVT-MDY6.	DNM=55-435	BL=10	2D9	0026	DS 2C
01238	000290	20	04 FILLER	DNM=55-463	BL=10	2D9	0028	DS 1C
01239	000300	21	04 CNVT-MDY6-MONTH	DNM=55-477	BL=10	2D9	0029	DS 2C
01240	000310	22	04 CNVT-MDY6-DAY	DNM=56-000	BL=10	2DE	0031	DS 1C
01241	000320	23	04 CNVT-MDY6-YEAR	DNM=56-014	BL=10	2D9	0032	DS 2C
01242	000330	24	03 CNVT-MDY8	DNM=56-038	BL=10	2E1	0034	DS 6C
01243	000340	25	88 CNVT-MDY8-15-ZERO	DNM=56-093	BL=10	2E1	0034	DS OCL6
01244	000350	26	03 FILLER REDEFINES CNVT-MDY8.	DNM=56-110	BL=10	2E1	0034	DS 2C
01245	000360	27	04 CNVT-MDY8-MONTH	DNM=56-137	BL=10	2E3	0036	DS 2C
01246	000370	28	04 FILLER	DNM=56-165	BL=10	2E5	0038	DS 2C
01247	000380	29	04 CNVT-MDY8-DAY	DNM=56-191	BL=10	2E7	0040	DS 8C
01248	000390	30	04 FILLER	DNM=56-243	BL=10	2E7	0040	DS OCL8
01249	000400	31	04 CNVT-MDY8-YEAR	DNM=56-260	BL=10	2E7	0040	DS 2C
01250	000410	32	03 CNVT-YMD8	DNM=56-287	BL=10	2E9	0042	DS 1C
01251	000420	33	88 CNVT-YMD8-15-ZERO	DNM=56-301	BL=10	2EA	0043	DS 2C
01252	000430	34	03 FILLER REDEFINES CNVT-YMD8.					
01253	000440	35	04 CNVT-YMD8-YEAR					
01254	000450	36	04 FILLER					
01255	000460	37	04 CNVT-YMD8-MONTH					
01256	000470	38	04 CNVT-YMD8-DAY					
01257	000480	39	03 CNVT-YMD8					
01258	000490	40	88 CNVT-YMD8-15-ZERO					
01259	000500	41	03 FILLER REDEFINES CNVT-YMD8.					
01260	000510	42	04 CNVT-YMD8-YEAR					
01261	000520	43	04 FILLER					
01262	000530	44	04 CNVT-YMD8-MONTH					
01263	000540	45	04 CNVT-YMD8-DAY					
01264	000550	46	03 CNVT-YMD8					
01265	000560	47	88 CNVT-YMD8-15-ZERO					
01266	000570	48	03 FILLER REDEFINES CNVT-YMD8.					
01267	000580	49	04 CNVT-YMD8-YEAR					
01268	000590	50	04 FILLER					
01269	000600	51	04 CNVT-YMD8-MONTH					
01270	000610	52	04 CNVT-YMD8-DAY					
01271	000620	53	03 CNVT-YMD8					
01272	000630	54	88 CNVT-YMD8-15-ZERO					
01273	000640	55	03 FILLER REDEFINES CNVT-YMD8.					
01274	000650	56	04 CNVT-YMD8-YEAR					
01275	000660	57	04 FILLER					
01276	000670	58	04 CNVT-YMD8-MONTH					
01277	000680	59	04 CNVT-YMD8-DAY					
01278	000690	60	03 CNVT-YMD8					
01279	000700	61	88 CNVT-YMD8-15-ZERO					
01280	000710	62	03 FILLER REDEFINES CNVT-YMD8.					
01281	000720	63	04 CNVT-YMD8-YEAR					
01282	000730	64	04 FILLER					
01283	000740	65	04 CNVT-YMD8-MONTH					
01284	000750	66	04 CNVT-YMD8-DAY					
01285	000760	67	03 CNVT-YMD8					
01286	000770	68	88 CNVT-YMD8-15-ZERO					
01287	000780	69	03 FILLER REDEFINES CNVT-YMD8.					
01288	000790	70	04 CNVT-YMD8-YEAR					
01289	000800	71	04 FILLER					
01290	000810	72	04 CNVT-YMD8-MONTH					
01291	000820	73	04 CNVT-YMD8-DAY					
01292	000830	74	03 CNVT-YMD8					
01293	000840	75	88 CNVT-YMD8-15-ZERO					
01294	000850	76	03 FILLER REDEFINES CNVT-YMD8.					
01295	000860	77	04 CNVT-YMD8-YEAR					
01296	000870	78	04 FILLER					
01297	000880	79	04 CNVT-YMD8-MONTH					
01298	000890	80	04 CNVT-YMD8-DAY					
01299	000900	81	03 CNVT-YMD8					
01300	000910	82	88 CNVT-YMD8-15-ZERO					
01301	000920	83	03 FILLER REDEFINES CNVT-YMD8.					
01302	000930	84	04 CNVT-YMD8-YEAR					
01303	000940	85	04 FILLER					
01304	000950	86	04 CNVT-YMD8-MONTH					
01305	000960	87	04 CNVT-YMD8-DAY					
01306	000970	88	03 CNVT-YMD8					
01307	000980	89	88 CNVT-YMD8-15-ZERO					
01308	000990	90	03 FILLER REDEFINES CNVT-YMD8.					
01309	001000	91	04 CNVT-YMD8-YEAR					
01310	001010	92	04 FILLER					
01311	001020	93	04 CNVT-YMD8-MONTH					
01312	001030	94	04 CNVT-YMD8-DAY					
01313	001040	95	03 CNVT-YMD8					
01314	001050	96	88 CNVT-YMD8-15-ZERO					
01315	001060	97	03 FILLER REDEFINES CNVT-YMD8.					
01316	001070	98	04 CNVT-YMD8-YEAR					
01317	001080	99	04 FILLER					
01318	001090	100	04 CNVT-YMD8-MONTH					
01319	001100	101	04 CNVT-YMD8-DAY					
01320	001110	102	03 CNVT-YMD8					
01321	001120	103	88 CNVT-YMD8-15-ZERO					
01322	001130	104	03 FILLER REDEFINES CNVT-YMD8.					
01323	001140	105	04 CNVT-YMD8-YEAR					
01324	001150	106	04 FILLER					
01325	001160	107	04 CNVT-YMD8-MONTH					
01326	001170	108	04 CNVT-YMD8-DAY					
01327	001180	109	03 CNVT-YMD8					
01328	001190	110	88 CNVT-YMD8-15-ZERO					
01329	001200	111	03 FILLER REDEFINES CNVT-YMD8.					
01330	001210	112	04 CNVT-YMD8-YEAR					
01331	001220	113	04 FILLER					
01332	001230	114	04 CNVT-YMD8-MONTH					
01333	001240	115	04 CNVT-YMD8-DAY					
01334	001250	116	03 CNVT-YMD8					
01335	001260	117	88 CNVT-YMD8-15-ZERO					
01336	001270	118	03 FILLER REDEFINES CNVT-YMD8.					
01337	001280	119	04 CNVT-YMD8-YEAR					
01338	001290	120	04 FILLER					
01339	001300	121	04 CNVT-YMD8-MONTH					
01340	001310	122	04 CNVT-YMD8-DAY					
01341	001320	123	03 CNVT-YMD8					
01342	001330	124	88 CNVT-YMD8-15-ZERO					
01343	001340	125	03 FILLER REDEFINES CNVT-YMD8.					
01344	001350	126	04 CNVT-YMD8-YEAR					
01345	001360	127	04 FILLER					
01346	001370	128	04 CNVT-YMD8-MONTH					
01347	001380	129	04 CNVT-YMD8-DAY					
01348	001390	130	03 CNVT-YMD8					
01349	001400	131	88 CNVT-YMD8-15-ZERO					
01350	001410	132	03 FILLER REDEFINES CNVT-YMD8.					
01351	001420	133	04 CNVT-YMD8-YEAR					
01352	001430	134	04 FILLER					
01353	001440	135	04 CNVT-YMD8-MONTH					
01354	001450	136	04 CNVT-YMD8-DAY					
01355	001460	137	03 CNVT-YMD8					
01356	001470	138	88 CNVT-YMD8-15-ZERO					
01357	001480	139	03 FILLER REDEFINES CNVT-YMD8.					
01358	001490	140	04 CNVT-YMD8-YEAR					
01359	001500	141	04 FILLER					
01360	001510	142	04 CNVT-YMD8-MONTH					
01361	001520	143	04 CNVT-YMD8-DAY					
01362	001530	144	03 CNVT-YMD8					
01363	001540	145	88 CNVT-YMD8-15-ZERO					
01364	001550	146	03 FILLER REDEFINES CNVT-YMD8.					
01365	001560	147	04 CNVT-YMD8-YEAR					
01366	001570	148	04 FILLER					
01367	001580	149	04 CNVT-YMD8-MONTH					
01368	001590	150	04 CNVT-YMD8-DAY					
01369	001600	151	03 CNVT-YMD8					
01370	001610	152	88 CNVT-YMD8-15-ZERO					
01371	001620	153	03 FILLER REDEFINES CNVT-YMD8.					
01372	001630	154	04 CNVT-YMD8-YEAR					
01373	001640	155	04 FILLER					
01374	001650	156	04 CNVT-YMD8-MONTH					
01375	001660	157	04 CNVT-YMD8-DAY		</			

30	IN100	10-43-12	APR 3, 1984	INT NAME	BASE	DISP	RL01	DEFINITION
01265	000560	04 FILLER	PIC X(11).	DNN=56-326	8L=10 2EC	0045	DS 1C	
01266	000570	04 CNVT-YMD8-DAY	PIC 9(2).	DNN=56-340	8L=10 2ED	0046	DS 2C	
01268	000590	03 CNVT-ALPHA-ABRRV.		DNN=56-364	8L=10 2EF	0048	DS 0CL13	
01269	000600	04 CNVT-ABRRV-MONTH	PIC X(3).	DNN=56-398	8L=10 2EF	0048	DS 3C	
01270	000610	04 CNVT-ABRRV-PERIOD	PIC X(2).	DNN=56-427	8L=10 2F2	0051	DS 2C	
01271	000620	04 CNVT-ABRRV-DAY-YEAR.		DNN=56-457	8L=10 2F4	0053	DS 0CL8	
01272	000630	05 CNVT-ABRRV-DAY	PIC 9(2).	DNN=57-000	8L=10 2F4	0053	DS 2C	
01273	000640	05 CNVT-ABRRV-COMMA	PIC X(2).	DNN=57-027	8L=10 2F6	0055	DS 2C	
01274	000650	05 CNVT-ABRRV-YEAR	PIC 9(4).	DNN=57-056	8L=10 2F8	0057	DS 4C	
01275	000660	04 FILLER REDEFINES CNVT-ABRRV-DAY-YEAR.		DNN=57-084	8L=10 2F4	0053	DS 0CL8	
01276	000670	05 CNVT-ABRRV-DAYR OCCURS 8 TIMES PIC X(1).		DNN=57-101	8L=10 2F4	0053	DS 1C	
01278	000690	03 CNVT-ALPHA-DATE	PIC X(118).	DNN=57-129	8L=10 2FC	0061	DS 18C	
01279	000700	03 FILLER REDEFINES CNVT-ALPHA-DATE.		DNN=57-157	8L=10 2FC	0061	DS 0CL18	
01280	000710	04 CNVT-DAYR OCCURS 18 TIMES PIC X(1).		DNN=57-174	8L=10 2FC	0061	DS 1C	
01282	000730	03 CNVT-DAY-OF-THE-WEEK	PIC X(9).	DNN=57-196	8L=10 30E	0079	DS 9C	
01284	000750	02-DATCALC-SET-B.		DNN=57-229	8L=10 317	0088	DS 0CL87	
01286	000770	03 CNVT-SDN	PIC 9(7).	DNN=57-259	8L=10 317	0088	DS 7C	
01287	000780	88 CNVT-SON-15-ZERO	VALUE 0.					
01288	000790	03 CNVT-JULIAN5	PIC 9(5).	DNN=57-310	8L=10 31E	0095	DS 5C	
01290	000810	88 CNVT-JULIAN5-15-ZERO	VALUE 0.					
01291	000820	03 FILLER REDEFINES CNVT-JULIAN5.		DNN=57-372	8L=10 31E	0095	DS 0CL5	
01292	000830	04 CNVT-JULIAN5-YEAR	PIC 9(2).	DNN=57-389	8L=10 31E	0095	DS 2C	
01293	000840	04 CNVT-JULIAN5-DAY	PIC 9(3).	DNN=57-415	8L=10 320	0097	DS 3C	
01294	000850	03 CNVT-JULIAN7	PIC 9(7).	DNN=57-443	8L=10 323	0100	DS 7C	
01296	000870	88 CNVT-JULIAN7-15-ZERO	VALUE 0.					
01297	000880	03 FILLER REDEFINES CNVT-JULIAN7.		DNN=58-000	8L=10 323	0100	DS 0CL7	
01298	000890	04 CNVT-JULIAN7-YEAR	PIC 9(4).	DNN=58-017	8L=10 323	0100	DS 4C	
01299	000900	04 CNVT-JULIAN7-DAY	PIC 9(3).	DNN=58-046	8L=10 327	0104	DS 3C	
01300	000910	03 CNVT-MDY6	PIC 9(6).	DNN=58-074	8L=10 32A	0107	DS 6C	
01302	000930	88 CNVT-MDY6-15-ZERO	VALUE 0.					
01303	000940	03 FILLER REDEFINES CNVT-MDY6.		DNN=58-130	8L=10 32A	0107	DS 0CL6	
01304	000950	04 CNVT-MDY6-MONTH	PIC 9(2).	DNN=58-147	8L=10 32A	0107	DS 2C	
01305	000960	04 CNVT-MDY6-DAY	PIC 9(2).	DNN=58-174	8L=10 32C	0109	DS 2C	
01306	000970	04 CNVT-MDY6-YEAR	PIC 9(2).	DNN=58-199	8L=10 32E	0111	DS 2C	
01307	000980	03 CNVT-MDY8	PIC X(8).	DNN=58-222	8L=10 330	0113	DS 8C	
01309	001000	88 CNVT-MDY8-15-ZERO	VALUE ZEROES.					
01310	001010	03 FILLER REDEFINES CNVT-MDY8.		DNN=58-275	8L=10 330	0113	DS 0CL8	
01311	001020	04 CNVT-MDY8-MONTH	PIC 9(2).	DNN=58-292	8L=10 330	0113	DS 2C	
01312	001030	04 FILLER	PIC X(11).	DNN=58-319	8L=10 332	0115	DS 1C	
01313	001040	04 CNVT-MDY8-DAY	PIC 9(2).	DNN=58-333	8L=10 333	0116	DS 2C	
01314	001050	04 FILLER	PIC X(11).	DNN=58-355	8L=10 335	0118	DS 1C	
01315	001060	04 CNVT-MDY8-YEAR	PIC 9(2).	DNN=58-369	8L=10 336	0119	DS 2C	
01316	001070	03 CNVT-YMD6	PIC 9(6).	DNN=58-395	8L=10 338	0121	DS 6C	
01318	001090							

21	NM100	10.43.12	APR 3, 1984	INT NAME	BASE	DISP	RL01	DEFINITION
00937	000500	88 PROGRAM-120	VALUE 120.					00
00938	000510	88 PROGRAM-125	VALUE 125.					00
00939	000520	88 PROGRAM-126	VALUE 126.					00
00940	000530	88 PROGRAM-130	VALUE 130.					00
00941	000540	88 PROGRAM-150	VALUE 150.					00
00942	000550	88 PROGRAM-160	VALUE 160.					00
00943	000560	88 PROGRAM-170-OR-180	VALUE 170 180.					00
00944	000570	88 PROGRAM-175	VALUE 175.					00
00945	000580	88 PROGRAM-300	VALUE 300.					00
00946	000590	88 PROGRAM-320	VALUE 320.					00
00947	000600	88 PROGRAM-330	VALUE 330.					00
00948	000610	88 PROGRAM-340	VALUE 340.					00
00949	000620	88 PROGRAM-350	VALUE 350.					00
00950	000630	88 PROGRAM-400	VALUE 400.					00
00951	000640	88 PROGRAM-410	VALUE 410.					00
00952	000650	88 PROGRAM-420	VALUE 420.					00
00953	000660	88 PROGRAM-421-OR-422	VALUE 421 422.					00
00954	000670	88 PROGRAM-430-OR-440	VALUE 430 440.					00
00955	000680	88 PROGRAM-431-OR-441	VALUE 431 441.					00
00956	000690	88 PROGRAM-432-OR-442	VALUE 432 442.					00
00957	000700	88 PROGRAM-433-OR-443	VALUE 433 443.					00
00958	000710	88 PROGRAM-434-OR-444	VALUE 434 444.					00
00959	000720	88 PROGRAM-435-OR-445	VALUE 435 445.					00
00960	000730	88 PROGRAM-436-OR-446	VALUE 436 446.					00
00961	000740	88 PROGRAM-437-OR-447	VALUE 437 447.					00
00962	000750	88 PROGRAM-438	VALUE 438.					00
00963	000760	88 PROGRAM-450	VALUE 450.					00
00964	000770	88 PROGRAM-460	VALUE 460.					00
00965	000780	88 PROGRAM-470	VALUE 470.					00
00966	000790	88 PROGRAM-500	VALUE 500.					00
00967	000800	88 PROGRAM-510	VALUE 510.					00
00968	000810	88 PROGRAM-530	VALUE 530.					00
00969	000820	88 PROGRAM-540	VALUE 540.					00
00970	000830	88 PROGRAM-550	VALUE 550.					00
00971	000840	88 PROGRAM-610	VALUE 610.					00
00972	000850	88 PROGRAM-615	VALUE 615.					00
00973	000860	88 PROGRAM-618	VALUE 618.					00
00974	000870	88 PROGRAM-620	VALUE 620.					00
00975	000880	88 PROGRAM-630	VALUE 630.					00
00976	000890	88 PROGRAM-650	VALUE 650.					00
00977	000900	88 PROGRAM-660	VALUE 660.					00
00978	000910	88 PROGRAM-670	VALUE 670.					00
00979	000920	88 PROGRAM-680	VALUE 680.					00
00980	000930	88 PROGRAM-690	VALUE 690.					00
00981	000940	88 PROGRAM-700	VALUE 700.					00
00982	000950	88 PROGRAM-705	VALUE 705.					00
00983	000960	88 PROGRAM-710	VALUE 710.					00
00984	000970	88 PROGRAM-715	VALUE 715.					00
00985	000980	88 PROGRAM-720	VALUE 720.					00
00986	000990	88 PROGRAM-725	VALUE 725.					00
00987	001000	88 PROGRAM-730	VALUE 730.					00
00988	001010	88 PROGRAM-735	VALUE 735.					00
00989	001020	88 PROGRAM-740	VALUE 740.					00
00990	001030	88 PROGRAM-745	VALUE 745.					00

22	NW100	10-43.12	APR 3,1984	INT NAME	BASE	DISP	RL01	DEFINITION
00891	001040	88 PROGRAM-750	VALUE 750.					00
00892	001050	88 PROGRAM-755	VALUE 755.					00
00893	001060	88 PROGRAM-760	VALUE 760.					00
00894	001070	88 PROGRAM-765	VALUE 765.					00
00895	001080	88 PROGRAM-770	VALUE 770.					00
00896	001090	88 PROGRAM-775	VALUE 775.					00
00897	001100	88 PROGRAM-930	VALUE 930.					00
00898	001110	05 ENVR-DATE.						
00899	001120	07 ENVR-YY	PIC XX.					
00900	001130	07 ENVR-MM	PIC XX.					
00901	001140	07 ENVR-DD	PIC XX.					
00902	001150	05 ENVR-DATE-R REDEFINES ENVR-DATE.						
00903	001160	07 ENVR-YY-R	PIC 99.					
00904	001170	07 ENVR-MM-R	PIC 99.					
00905	001180	07 ENVR-DD-R	PIC 99.					
00906	001190	05 ENVR-STAT-NUMBER	PIC X(5).					
00907	001200	05 ENVR-START-LOC.						
00908	001210	88 START-LOC-26-TO-40						
00909	001220	VALUE *2600000000' THRU *40000000000'.						
00910	001230	88 START-LOC-0-TO-23						
00911	001240	VALUE *0000000000' THRU *23000000000'.						
00912	001250	07 ENVR-LATITUDE	PIC X(5).					
00913	001260	07 ENVR-LONGITUDE	PIC X(5).					
00914	001270	05 ENVR-START-LOC-R REDEFINES ENVR-START-LOC						
00915	001280	PIC 9(10).						
00916	001290	05 ENVR-GRID.						
00917	001300	07 ENVR-NUMER-GRID	PIC XX.					
00918	001310	88 VALIO-NUMER-GRID VALUE *00' THRU *99'.						
00919	001320	07 ENVR-ALPHA-GRID	PIC XX.					
00920	001330	88 VALIO-ALPHA-GRID VALUE *AA' THRU *ZZ'.						
00921	001340	05 ENVR-QUAD	PIC X.					
00922	001350	05 ENVR-END-TIME	PIC X(4).					
00923	001360	05 ENVR-DURATION-OR-AREA	PIC X(4).					
00924	001370	05 ENVR-GEAR-TYPE	PIC X(3).					
00925	001380	05 ENVR-GEAR-TYPE-R REDEFINES ENVR-GEAR-TYPE						
00926	001390	88 VALIO-GEAR-OF-ZERO	VALUE 000.					00
00927	001400	88 VALIO-GEAR-OF-999	VALUE 999.					00
00928	001410	88 VALIO-GEAR-FOR-PGM050	VALUE 911 200.					00
00929	001420	88 VALIO-GEAR-FOR-PGM051	VALUE 200 531 940 420					00
00930	001430		911.					00
00931	001440	88 VALIO-GEAR-FOR-PGM055	VALUE 556 550 200 213					00
00932	001450		300 500.					00
00933	001460	88 VALIO-GEAR-FOR-PGM060	VALUE 911 200 300 213.					00
00934	001470	88 VALIO-GEAR-FOR-PGM100	VALUE 311 556 531 530					00
00935	001480		538 212 130 535 911.					00
00936	001490	88 VALIO-GEAR-FOR-PGM105	VALUE 645.					00
00937	001500	88 VALIO-GEAR-FOR-PGM110	VALUE 531 559.					00
00938	001510	88 VALIO-GEAR-FOR-PGM115	VALUE 245 531 130 605.					00
00939	001520	88 VALIO-GEAR-FOR-PGM120	VALUE 556 559 538 330					00
00940	001530		311 245 240 210 211					00
00941	001540		557 559.					00
00942	001550	88 VALIO-GEAR-FOR-PGM125	VALUE 556.					00
00943	001560	88 VALIO-GEAR-FOR-PGM126	VALUE 556.					00
00944	001570	88 VALIO-GEAR-FOR-PGM130	VALUE 556 212.					00

23	INT NAME	BASE	DISP	RLOI	DEFINITION
00945	001580	88	VALID-GEAR-FOR-PCM150	VALUE 245 230 220	00
00946	001590			250 960 212	
00947	001600			130 380 420 331	
00948	001610	88	VALID-GEAR-FOR-PCM160	VALUE 600 605 645	02
00949	001620			247	
00950	001630	88	VALID-GEAR-FOR-PCM170-180	VALUE 351 352 130 353	00
00951	001640			240 532 200 550 570	
00952	001650			574 245 220 250 552	
00953	001660			926 950 925 911 920	
00954	001670			835	
00955	001680	88	VALID-GEAR-FOR-PCM175	VALUE 115	00
00956	001690	88	VALID-GEAR-FOR-PCM300	VALUE 245 531 220	00
00957	001700			230 940 250 320	
00958	001710			130 420	
00959	001720	88	VALID-GEAR-FOR-PCM320	VALUE 550	00
00960	001730	88	VALID-GEAR-FOR-PCM330	VALUE 220 531 245 250	00
00961	001740			550 130 420 556	
00962	001750	88	VALID-GEAR-FOR-PCM340	VALUE 531	00
00963	001760	88	VALID-GEAR-FOR-PCM350	VALUE 130 311 352 353	00
00964	001770			530 556 570	
00965	001780	88	VALID-GEAR-FOR-PCM400	VALUE 200 220 400 222	00
00966	001790			230 250 232 240 420	
00967	001800			242 245 320 247 340	
00968	001810			130 421 422 500 352	
00969	001820	88	VALID-GEAR-FOR-PCM410	VALUE 420 422 421 500	00
00970	001830			200 230 380 245	
00971	001840			130 352 250	
00972	001850			247 220 340 320	
00973	001860	88	VALID-GEAR-FOR-PCM420	VALUE 130 200 352 500	00
00974	001870			220 222 232 420	
00975	001880	88	VALID-GEAR-FOR-PCM421-422	VALUE 200	00
00976	001890	88	VALID-GEAR-FOR-PCM430-440	VALUE 130 200 117 415	00
00977	001900	88	VALID-GEAR-FOR-PCM431-441	VALUE 130	00
00978	001910	88	VALID-GEAR-FOR-PCM432-442	VALUE 130	00
00979	001920	88	VALID-GEAR-FOR-PCM433-443	VALUE 500 510 530 532	00
00980	001930			534 538 550 552 553	
00981	001940			554 572 570	
00982	001950	88	VALID-GEAR-FOR-PCM434-444	VALUE 200 220 222 240	00
00983	001960			242 250	
00984	001970	88	VALID-GEAR-FOR-PCM435-445	VALUE 320 340	00
00985	001980	88	VALID-GEAR-FOR-PCM436-446	VALUE 574	00
00986	001990	88	VALID-GEAR-FOR-PCM437-447	VALUE 353 320 352	00
00987	002000	88	VALID-GEAR-FOR-PCM438	VALUE 420 424 410 412	00
00988	002010			118	
00989	002020	88	VALID-GEAR-FOR-PCM450	VALUE 500 570	00
00990	002030	88	VALID-GEAR-FOR-PCM460	VALUE 150 530 550 554	00
00991	002040			570	
00992	002050	88	VALID-GEAR-FOR-PCM470	VALUE 110 111 574 575	00
00993	002060			740	
00994	002070	88	VALID-GEAR-FOR-PCM500	VALUE 556 559 550 500	00
00995	002080			560 150 310 311 536	
00996	002090			538 558	
00997	002100	88	VALID-GEAR-FOR-PCM510	VALUE 556 559 550 500	00
00998	002110			558 560 150 310 311	

24	NR120	10.43.12	APR 3, 1984	INT NAME	BASE	DISP	RL01	DEFINITION
00999	002120	88	VALID-GEAR-FOR-PGM530	VALUE 536 538.				
01000	002130	88	VALID-GEAR-FOR-PGM530	VALUE 111.				
01001	002140	88	VALID-GEAR-FOR-PGM540	VALUE 531 556 558.				
01002	002150	88	VALID-GEAR-FOR-PGM550	VALUE 531 556 558 111.				
01003	002160	88	VALID-GEAR-FOR-PGM610	VALUE 754 830.				
01004	002170	88	VALID-GEAR-FOR-PGM615	VALUE 805.				
01005	002180	88	VALID-GEAR-FOR-PGM618	VALUE 754.				
01006	002190	88	VALID-GEAR-FOR-PGM620	VALUE 746.				
01007	002200	88	VALID-GEAR-FOR-PGM630	VALUE 766.				
01008	002210	88	VALID-GEAR-FOR-PGM650	VALUE 758.				
01009	002220	88	VALID-GEAR-FOR-PGM660	VALUE 830 754 766 811.				
01010	002230	88	VALID-GEAR-FOR-PGM670	VALUE 754.				
01011	002240	88	VALID-GEAR-FOR-PGM680	VALUE 754 766.				
01012	002250	88	VALID-GEAR-FOR-PGM690	VALUE 713 810.				
01013	002260	88	VALID-GEAR-FOR-PGM700	VALUE 560 231 552				
01014	002270			531 534 515.				
01015	002280	88	VALID-GEAR-FOR-PGM705	VALUE 552 531.				
01016	002290	88	VALID-GEAR-FOR-PGM710	VALUE 560 715 713 554.				
01017	002300	88	VALID-GEAR-FOR-PGM715	VALUE 560.				
01018	002310	88	VALID-GEAR-FOR-PGM720	VALUE 552 560 554 720				
01019	002320			531 424 118 119				
01020	002330			120 411 412 413 420				
01021	002340			421 422 440 423 926				
01022	002350			911 950.				
01023	002360	88	VALID-GEAR-FOR-PGM725	VALUE 552 531.				
01024	002370	88	VALID-GEAR-FOR-PGM730	VALUE 552 531 119.				
01025	002380	88	VALID-GEAR-FOR-PGM735	VALUE 531 552.				
01026	002390	88	VALID-GEAR-FOR-PGM740	VALUE 911 925 926.				
01027	002400	88	VALID-GEAR-FOR-PGM745	VALUE 515.				
01028	002410	88	VALID-GEAR-FOR-PGM750	VALUE 720.				
01029	002420	88	VALID-GEAR-FOR-PGM755	VALUE 552.				
01030	002430	88	VALID-GEAR-FOR-PGM760	VALUE 531 552 560 715				
01031	002440			720.				
01032	002450	88	VALID-GEAR-FOR-PGM765	VALUE 531 552 560.				
01033	002460	88	VALID-GEAR-FOR-PGM770	VALUE 500.				
01034	002470	88	VALID-GEAR-FOR-PGM775	VALUE 552.				
01035	002480	05	ENVIR-GEAR-PARM1	PIC X(4).				
01036	002490	05	ENVIR-GEAR-PARM2	PIC X(4).				
01037	002500	05	ENVIR-GEAR-PARM3	PIC X(4).				
01038	002510	05	ENVIR-RIG	PIC X.				
01039	002520	05	ENVIR-TYPE-GE-TOM	PIC X.				
01040	002530	05	ENVIR-BOTTOM-TYPE	PIC X(2).				
01041	002540	05	ENVIR-BOTTOM-PROFILE	PIC X.				
01042	002550	05	ENVIR-DEPTH	PIC X(3).				
01043	002560	05	ENVIR-AIR-TEMP	PIC X(3).				
01044	002570	05	ENVIR-SURFACE-TEMP	PIC X(3).				
01045	002580	05	ENVIR-BOTTOM-TEMP	PIC X(3).				
01046	002590	05	ENVIR-SURFACE-SALIN	PIC X(3).				
01047	002600	05	ENVIR-BOTTOM-SALIN	PIC X(3).				
01048	002610	05	ENVIR-CONDUCT	PIC X(4).				
01049	002620	05	ENVIR-SURFACE-DO	PIC X(3).				
01050	002630	05	ENVIR-BOTTOM-DO	PIC X(3).				
01051	002640	05	ENVIR-PH	PIC X(2).				
01052	002650	05	ENVIR-WEATHER	PIC X.				

DNM=46-000--BL=10 258--0065--DS 4C
 DNM=46-029 BL=10 25C 0069 DS 4C
 DNM=46-058 BL=10 260 0073 DS 4C
 DNM=46-087 BL=10 264 0077 DS 1C
 DNM=46-109 BL=10 265 0078 DS 1C
 DNM=46-139 BL=10 266 0079 DS 2C
 DNM=46-169 BL=10 268 0081 DS 1C
 DNM=46-202 BL=10 269 0082 DS 3C
 DNM=46-226 BL=10 26C 0085 DS 3C
 DNM=46-253 BL=10 26F 0088 DS 3C
 DNM=46-284 BL=10 272 0091 DS 3C
 DNM=46-314 BL=10 275 0094 DS 3C
 DNM=46-346 BL=10 278 0097 DS 3C
 DNM=46-377 BL=10 278 0100 DS 4C
 DNM=46-403 BL=10 27F 0104 DS 3C
 DNM=46-431 BL=10 282 0107 DS 3C
 DNM=46-459 BL=10 285 0110 DS 2C
 DNM=46-480 BL=10 287 0112 DS 1C

25	NR100	10-43-12	APR 3, 1984	INT NAME	BASE	DISP	RL01	DEFINITION
01053	002660	05 ENVIR-BAROMETER	PIC X(14).	DNM=47-000	BL=10 288	0113	DS 4C	
01054	002670	05 ENVIR-WIND-DIRECT	PIC X.	DNM=47-028	BL=10 28C	0117	DS 1C	
01055	002680	05 ENVIR-WIND-SPEED	PIC X(2).	DNM=47-058	BL=10 28D	0118	DS 2C	
01056	002690	05 ENVIR-CURRENT-DIRECT	PIC X.	DNM=47-087	BL=10 28F	0120	DS 1C	
01057	002700	05 ENVIR-CURRENT-SPEED	PIC X(2).	DNM=47-120	BL=10 290	0121	DS 2C	
01058	002710	05 ENVIR-WATER-LEVEL	PIC X.	DNM=47-152	BL=10 292	0123	DS 1C	
01059	002720	05 ENVIR-STATE-ALTER	PIC X.	DNM=47-182	BL=10 293	0124	DS 1C	
01060	002730	05 ENVIR-ALLOWED-ACT	PIC X.	DNM=47-212	BL=10 294	0125	DS 1C	
01061	002740	05 ENVIR-NUMBER-REPLIC	PIC X(2).	DNM=47-242	BL=10 295	0126	DS 2C	
01062	002750	05 FILLER	PIC X(15).	DNM=47-274	BL=10 297	0128	DS 15C	
01063	002760	05 DATE-MODIFIED	PIC X(18).	DNM=47-288	BL=10 2A6	0143	DS 8C	
03	002770	03 REPLICATE-DATA REDEFINES DATA-BY-RECORD-TYPE.		DNM=47-314	BL=10 230	0025	DS OCL126	
01065	002780	05 RP-COLLECT-SIZE	PIC X(6).	DNM=47-344	BL=10 230	0025	DS 6C	
01066	002790	05 RP-COLLECT-SIZE-R	REDEFINES RP-COLLECT-SIZE PIC 9(6).	DNM=47-372	BL=10 230	0025	DS 6C	
01067	002800	05 RP-SAMPLE-SIZE	PIC X(6).	DNM=47-402	BL=10 236	0031	DS 6C	
01068	002810	05 RP-SAMPLE-SIZE-R	REDEFINES RP-SAMPLE-SIZE PIC 9(6).	DNM=47-429	BL=10 236	0031	DS 6C	
01069	002820	05 RP-NUMBER-SPECIES	PIC X(2).	DNM=47-458	BL=10 23C	0037	DS 2C	
01070	002830	05 RP-QUALITY	PIC X.	DNM=47-488	BL=10 23E	0039	DS 1C	
01071	002840	05 FILLER	PIC X(103).	DNM=48-000	BL=10 23F	0040	DS 103C	
01072	002850	05 DATE-MODIFIED	PIC X(18).	DNM=48-014	BL=10 2A6	0143	DS 8C	
03	002860	03 SPECIES-DATA REDEFINES DATA-BY-RECORD-TYPE.		DNM=48-040	BL=10 230	0025	DS OCL126	
01074	002870	05 SPE-TOTAL-CNT	PIC X(5).	DNM=48-068	BL=10 230	0025	DS 5C	
01075	002880	05 SPE-TOTAL-CNT-R	REDEFINES SPE-TOTAL-CNT PIC 9(5).	DNM=48-094	BL=10 230	0025	DS 5C	
01076	002890	05 SPE-TOTAL-WGT	PIC X(6).	DNM=48-122	BL=10 235	0030	DS 6C	
01077	002900	05 SPE-TOTAL-WGT-R	REDEFINES SPE-TOTAL-WGT PIC 9(6).	DNM=48-148	BL=10 235	0030	DS 6C	
01078	002910	05 SPE-SAMPLE-CNT	PIC X(5).	DNM=48-176	BL=10 238	0036	DS 5C	
01079	002920	05 SPE-SAMPLE-CNT-R	REDEFINES SPE-SAMPLE-CNT	DNM=48-203	BL=10 238	0036	DS 5C	
01080	002930	05 SPE-SAMPLE-WGT	PIC X(6).	DNM=48-232	BL=10 240	0041	DS 6C	
01081	002940	05 SPE-SAMPLE-WGT-R	REDEFINES SPE-SAMPLE-WGT	DNM=48-259	BL=10 240	0041	DS 6C	
01083	002960	05 SPE-SUBSAMPLE-CNT	PIC X(5).	DNM=48-318	BL=10 246	0047	DS 5C	
01084	002970	05 SPE-SUBSAMPLE-CNT-R	REDEFINES SPE-SUBSAMPLE-CNT	DNM=48-350	BL=10 248	0052	DS 6C	
01085	002980	05 SPE-SUBSAMPLE-WGT	PIC X(6).	DNM=48-380	BL=10 248	0052	DS 6C	
01086	002990	05 SPE-SUBSAMPLE-WGT-R	REDEFINES SPE-SUBSAMPLE-WGT	DNM=48-412	BL=10 251	0058	DS 1C	
01087	003000	05 SPE-INDIV-FORMAT-CODE	PIC X.	DNM=48-446	BL=10 252	0059	DS 1C	
01088	003010	05 SPE-TAG-TYPE1	PIC X.	DNM=48-472	BL=10 253	0060	DS 5C	
01089	003020	05 SPE-NBR-TAGGED1	PIC X(5).	DNM=49-000	BL=10 253	0060	DS 5C	
01090	003030	05 SPE-NBR-TAGGED1-R	REDEFINES SPE-NBR-TAGGED1 PIC 9(5).	DNM=49-030	BL=10 258	0065	DS 1C	
01091	003040	05 SPE-TAG-TYPE2	PIC X.	DNM=49-056	BL=10 259	0066	DS 5C	
01092	003050	05 SPE-NBR-TAGGED2	PIC X(5).	DNM=49-084	BL=10 259	0066	DS 5C	
01093	003060	05 SPE-NBR-TAGGED2-R	REDEFINES SPE-NBR-TAGGED2 PIC 9(5).	DNM=49-111	BL=10 25E	0071	DS 72C	
01094	003070	05 FILLER	PIC X(172).	DNM=49-125	BL=10 2A6	0143	DS 8C	
01095	003080	05 DATE-MODIFIED	PIC X(18).	DNM=49-151	BL=10 230	0025	DS OCL126	
01096	003090	05 INDIVIDUAL-DATA REDEFINES DATA-BY-RECORD-TYPE.		DNM=49-182	BL=10 230	0025	DS 3C	
01097	003100	05 INDIV-CNT	PIC X(3).	DNM=49-204	BL=10 230	0025	DS 3C	
01098	003110	05 INDIV-CNT-P	REDEFINES INDIV-CNT PIC 9(3).	DNM=49-264	BL=10 233	0028	DS 4C	
01099	003120	05 INDIV-LTH	PIC X(4).	DNM=49-286	BL=10 233	0028	DS 4C	
01100	003130	05 INDIV-LTH-R	REDEFINES INDIV-LTH PIC 9(4).	DNM=49-310	BL=10 237	0032	DS OCL137	
01101	003140	05 INDIV-DETAILS.		DNM=49-339	BL=10 237	0032	DS 5C	
01102	003150	07 INDIV-WGT	PIC X(5).					
01103	003160							
01104	003170							
01105	003180							
01106	003190							

31	NW100	10.43.12	APR 3, 1984	INT NAME	BASE	DISP	RLO1	DEFINITION
01319	001100	88 CVT-YMD6-TS-ZERO	VALUE 0.	DNM=58-451	BL=10 338	0121	DS	OCL6
01320	001110	03 FILLER REDEFINES CMT-YMD6.	PIC 9(12).	DNM=58-468	BL=10 338	0121	DS	2C
01321	001120	04 CMT-YMD6-MONTH	PIC 9(12).	DNM=59-000	BL=10 33A	0123	DS	2C
01322	001130	04 CMT-YMD6-DAY	PIC 9(12).	DNM=59-024	BL=10 33C	0125	DS	2C
01323	001140	03 CMT-YMD8	PIC X(18).	DNM=59-049	BL=10 33E	0127	DS	8C
01324	001150	88 CMT-YMD8-TS-ZERO	VALUE ZEROES.	DNM=59-099	BL=10 33E	0127	DS	OCL8
01325	001160	03 FILLER REDEFINES CMT-YMD8.	PIC 9(12).	DNM=59-116	BL=10 340	0129	DS	1C
01326	001170	04 CMT-YMD8-YEAR	PIC 9(12).	DNM=59-142	BL=10 341	0130	DS	2C
01327	001180	04 FILLER	PIC 9(12).	DNM=59-156	BL=10 343	0132	DS	1C
01328	001190	04 CMT-YMD8-MONTH	PIC 9(12).	DNM=59-180	BL=10 344	0133	DS	2C
01329	001200	04 FILLER	PIC 9(12).	DNM=59-194	BL=10 346	0135	DS	OCL13
01330	001210	04 CMT-YMD8-DAY	PIC 9(12).	DNM=59-216	BL=10 346	0135	DS	3C
01331	001220	03 CMT-ALPHA-ADRV.	PIC X(1).	DNM=59-247	BL=10 349	0138	DS	2C
01332	001230	04 CMT-ALPHA-MONTH	PIC X(1).	DNM=59-275	BL=10 348	0140	DS	OCL8
01333	001240	04 CMT-ABRV-PERIOD	PIC X(1).	DNM=59-304	BL=10 348	0140	DS	2C
01334	001250	05 CMT-ABRV-DAY-YEAR	PIC 9(12).	DNM=59-328	BL=10 34D	0142	DS	2C
01335	001260	05 CMT-ABRV-DAY	PIC 9(12).	DNM=59-364	BL=10 34F	0144	DS	4C
01336	001270	05 CMT-ABRV-COMMA	PIC 9(12).	DNM=59-392	BL=10 34B	0140	DS	OCL8
01337	001280	05 CMT-ABRV-YEAR	PIC 9(12).	DNM=59-419	BL=10 34B	0140	DS	1C
01338	001290	04 FILLER REDEFINES CMT-ABRV-DAY-YEAR.	PIC X(1).	DNM=59-436	BL=10 353	0148	DS	18C
01339	001300	05 CMT-ABRV-DAYR OCCURS 8 TIMES PIC X(1).	PIC X(18).	DNM=59-487	BL=10 353	0148	DS	OCL18
01340	001310	03 CMT-ALPHA-DATE	PIC X(18).	DNM=60-000	BL=10 353	0148	DS	1C
01341	001320	03 FILLER REDEFINES CMT-ALPHA-DATE.	PIC X(18).	DNM=60-021	BL=10 365	0166	DS	9C
01342	001330	04 CMT-DAYR OCCURS 18 TIMES PIC X(1).	PIC X(9).	DNM=60-053	BL=10 36E	0175	DS	4P
01343	001340	03 CMT-DAY-OF-THE-WEEK	PIC X(9).	DNM=60-071	COMP-3.			
01344	001350	02-DATECALC-DIFF						
01345	001360	03 CMT-ALPHA-DATE	PIC X(18).					
01346	001370	03 FILLER REDEFINES CMT-ALPHA-DATE.	PIC X(18).					
01347	001380	04 CMT-DAYR OCCURS 18 TIMES PIC X(1).	PIC X(9).					
01348	001390	03 CMT-DAY-OF-THE-WEEK	PIC X(9).					
01349	001400	02-DATECALC-DIFF						
01351	001420	*****	*****					

01353	006090	01	SEARCH-PRERLOAD-KEY	VALUE SPACES.	05980000	DNM=60-079	BL=10 379	0001	DS 0CL18
01354	006100	01	03 SEARCH-ENVIR-PROGRAM-TYPE	PIC X(03).	05990000	DNM=60-113	BL=10 378	0001	DS 3C
01355	006110	01	03 SEARCH-ENVIR-START-LOC	PIC X(10).	06000000	DNM=60-148	BL=10 378	0004	DS 10C
01356	006120	01	03 SEARCH-ENVIR-STAT-NUM	PIC X(05).	06010000	DNM=60-183	BL=10 395	0014	DS 5C
01357	006130*	01	WK-ENVIR-PRERLOAD-REC.		06020000	DNM=60-217	BL=10 390	0001	DS 0CL46
01358	006140	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06030000	DNM=60-253	BL=10 390	0001	DS 18C
01359	006150	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06040000	DNM=60-322	BL=10 342	0019	DS 0CL28
01360	006160	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06050000	DNM=60-356	BL=10 342	0019	DS 4C
01361	006170	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06060000	DNM=60-382	BL=10 346	0023	DS 3C
01362	006180	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06070000	DNM=60-409	BL=10 349	0026	DS 4C
01363	006190	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06080000	DNM=60-437	BL=10 34D	0030	DS 4C
01364	006200	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06090000	DNM=60-465	BL=10 381	0034	DS 4C
01365	006210	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06100000	DNM=61-000	BL=10 385	0038	DS 1C
01366	006220	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06110000	DNM=61-021	BL=10 386	0039	DS 1C
01367	006230	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06120000	DNM=61-050	BL=10 387	0040	DS 2C
01368	006240	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06130000	DNM=61-076	BL=10 389	0042	DS 1C
01369	006250	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06140000	DNM=61-105	BL=10 38A	0043	DS 3C
01370	006260	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06150000	DNM=61-128	BL=10 38D	0046	DS 1C
01371	006270	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06160000	DNM=61-157	BL=10 3C0	0001	DS 2C
01372	006280	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06170000	DNM=61-194	BL=10 3C8	0001	DS 0CL23000
01373	006290*	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06180000	DNM=61-242	BL=10 3C8	0001	DS 0CL46
01374	006300	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06190000	DNM=61-281	BL=10 3C8	0001	DS 13C
01375	006310*	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06200000	DNM=61-315	BL=10 3DA	0019	DS 28C
01376	006320	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06210000	DNM=61-353	BL=15 DA0	0001	DS 0CL39
01377	006330	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06220000	DNM=61-389	BL=15 DA0	0001	DS 6C
01378	006340	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06230000	DNM=61-412	BL=15 DA6	0007	DS 6C
01379	006350	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06240000	DNM=61-435	BL=15 DAC	0013	DS 12C
01380	006360	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06250000	DNM=61-465	BL=15 D88	0025	DS 12C
01381	006370	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06260000	DNM=62-000	BL=15 D88	0025	DS 0CL12
01382	006380*	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06270000	DNM=62-027	BL=15 D88	0025	DS 6C
01383	006390*	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06280000	DNM=62-052	BL=15 D8E	0031	DS 6C
01384	006400	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06290000	DNM=62-079	BL=15 DC4	0037	DS 1C
01385	006410	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06300000	DNM=62-103	BL=15 DC5	0038	DS 1C
01386	006420	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06310000	DNM=62-129	BL=15 DC6	0039	DS 1C
01387	006430	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06320000	DNM=62-155	BL=15 DC8	0001	DS 0CL60
01388	006440	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06330000	DNM=62-198	BL=15 DC8	0001	DS 12C
01389	006450	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06340000	DNM=62-231	BL=15 DC4	0013	DS 12C
01390	006460	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06350000	DNM=62-265	BL=15 DEC	0025	DS 12C
01391	006470	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06360000	DNM=62-298	BL=15 DEC	0037	DS 12C
01392	006480	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06370000	DNM=62-334	BL=15 DF8	0049	DS 12C
01393	006490	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06380000	DNM=62-366	BL=15 E08	0001	DS 0CL31171
01394	006500	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06390000	DNM=62-422	BL=15 E08	0001	DS 0CL173
01395	006510*	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06400000	DNM=62-450	BL=15 E08	0001	DS 0CL173
01396	006520	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06410000	DNM=62-478	BL=15 E08	0001	DS 0CL173
01397	006530	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06420000	DNM=62-506	BL=15 E08	0001	DS 0CL173
01398	006540	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06430000	DNM=62-534	BL=15 E08	0001	DS 0CL173
01399	006550	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06440000	DNM=62-562	BL=15 E08	0001	DS 0CL173
01400	006560	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06450000	DNM=62-590	BL=15 E08	0001	DS 0CL173
01401	006570	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06460000	DNM=62-618	BL=15 E08	0001	DS 0CL173
01402	006580*	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06470000	DNM=62-646	BL=15 E08	0001	DS 0CL173
01403	006590	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06480000	DNM=62-674	BL=15 E08	0001	DS 0CL173
01404	006600	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06490000	DNM=62-702	BL=15 E08	0001	DS 0CL173
01405	006610	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06500000	DNM=62-730	BL=15 E08	0001	DS 0CL173
01406	006620	01	03 WK-ENVIR-PRERLOAD-KEY	PIC X(18).	06510000	DNM=62-758	BL=15 E08	0001	DS 0CL173

33	RM100	10-43-12	APR 3-1984	INT NAME	BASE	DISP	RLOI	DEFINITION
1	01407	006630	05	ENGLISH-NAME	PIC X(26).			
2	01408	006640	05	SPECIES-NUMBER	PIC X(10).			
3	01409	006650	05	SPECIES-NUMBER-R	REDEFINES			
4	01410	006660	05	SPECIES-NUMBER	PIC 9(10).			
5	01411	006670	05	LATIN-NAME	PIC X(37).			
6	01412	006680	01	ARRANGE-HOLD-AREA	PIC X(80).			
7	01413	006690	01	ARRANGE-SS1	PIC 59(4) COMP SYNC.			
8	01414	006700	03	ARRANGE-SS2	PIC 59(4) COMP SYNC.			
9	01415	006710	03	ARRANGE-SS2	PIC 59(4) COMP SYNC.			
10	01416	006720	03	ARRANGE-LIMIT	PIC 59(4) COMP SYNC.			
11	01417	006730	03	ARRANGE-LAST	PIC 59(4) COMP SYNC.			
12	01418	006740	03	TAG-RECAPT-TAGNR.				
13	01419	006750	01	TAG-RECAPT-TAG-NUMR	OCCURS 3000 TIMES			
14	01420	006760	03	TAG-RECAPT-TAG-NUMR	INDEXED BY TAG-INDEX.			
15	01421	006770	05	TAG-RECAPT-TAG-NUMBER	PIC X(61).			
16	01422	006780	05	TAG-RECAPT-TAG-NUMBER	PIC X(61).			
17	01423	006790	01	ADJUST-ZERO-DATE.	PIC 99.			
18	01424	006800	03	ZERO-VY	PIC 99.			
19	01425	006810	03	ZERO-MH	PIC 99.			
20	01426	006820	03	ZERO-DG	PIC 99.			
21	01427	006830	03	ZERO-DG	PIC 99.			
22	01428	006840	03	ZERO-DG	PIC 99.			
23	01429	006850	01	ACTION-MESSAGES.				
24	01430	006860	01	ACTION-MESSAGES.				
25	01431	006870	03	NOT-ADD	PIC X(11) VALUE 'NOT ADDED'.			
26	01432	006880	03	NOT-CHG	PIC X(11) VALUE 'NOT CHANGED'.			
27	01433	006890	03	NOT-DEL	PIC X(11) VALUE 'NOT DELETED'.			
28	01434	006900	01	UPDATE-MESSAGES.				
29	01435	006910	01	UPDATE-MESSAGES.				
30	01436	006920	03	REC-ADD	PIC X(14) VALUE 'RECORD ADDED'.			
31	01437	006930	03	REC-CHG	PIC X(14) VALUE 'RECORD CHANGED'.			
32	01438	006940	03	REC-DEL	PIC X(14) VALUE 'RECORD DELETED'.			
33	01439	006950	01	UPDATE-ERRORS-MESSAGES.				
34	01440	006960	01	UPDATE-ERRORS-MESSAGES.				
35	01441	006970	03	INVAL-CHG-CODE	PIC X(19) VALUE 'INVALID CHANGE CODE'.			
36	01442	006980	03	NO-REC	PIC X(19) VALUE 'RECORD NOT ON FILE'.			
37	01443	006990	03	REC-AL-READY	PIC X(19) VALUE 'RECORD ON FILE'.			
38	01444	007000	01	ERROR-MESSAGES.				
39	01445	007010	01	ERROR-MESSAGES.				
40	01446	007020	03	FLO-NOT-NUMERIC-ERR.	PIC X(18).			
41	01447	007030	05	FLO-NAME-IN-ERR	PIC X(27).			
42	01448	007040	05	FILLER	PIC X(42).			
43	01449	007050	05	FILLER	PIC X(42).			
44	01450	007060	03	REPS-DONT-MATCH	PIC X(45)			
45	01451	007070	03	REPS-DONT-MATCH	PIC X(45)			
46	01452	007080	03	REPS-DONT-MATCH-R-REDEFINES	REPS-DONT-MATCH.			
47	01453	007090	05	FILLER	PIC X(42).			
48	01454	007100	05	ERR-MSG-REPS	PIC X(42).			
49	01455	007110	05	FILLER	PIC X(42).			
50	01456	007120	03	SAMPLE-EXCEEDS-COLLECTION	PIC X(145)			
51	01457	007130	03	SAMPLE-EXCEEDS-COLLECTION	PIC X(145)			
52	01458	007140	03	SAMPLE-EXCEEDS-COLLECTION	PIC X(145)			
53	01459	007150	05	FILLER	PIC X(10).			
54	01460	007160	05	FILLER	PIC X(10).			

01461	007170	05	SAMPLE-SIZ	PIC 999,999	07060000	DNM=65-057	BL=27 F7C	0101	DS 7C
01462	007180	05	FILLER	PIC X(20)	07070000	DNM=65-089	BL=27 F83	0108	DS 20C
01463	007190	05	COLLECT-SIZ	PIC 999,999	07080000	DNM=65-103	BL=27 F97	0128	DS 7C
01464	007200	05	FILLER	PIC X(11)	07090000	DNM=65-136	BL=27 F9E	0135	DS 1C
01465	007210	03	GRID-NOT-FORMATTED	PIC X(45)	07100000	DNM=65-150	BL=27 F9F	0136	DS 45C
01466	007220	03	GRID-NOT-FORMATTED	PIC X(45)	07110000	DNM=65-181	BL=27 F9F	0136	DS 0CL45
01467	007230	03	GRID-NOT-FORMATTED	PIC X(45)	07120000	DNM=65-217	BL=27 F9F	0136	DS 31C
01468	007240	05	FILLER	PIC X(31)	07130000	DNM=65-231	BL=27 FDE	0167	DS 4C
01469	007250	05	ERR-MSG-GRID	PIC XXXX	07140000	DNM=65-253	BL=27 FDC	0171	DS 10C
01470	007260	05	FILLER	PIC X(10)	07150000	DNM=65-267	BL=27 FCC	0181	DS 45C
01471	007270	03	SPECIES-DONT-MATCH	PIC X(45)	07160000	DNM=65-298	BL=27 FCC	0181	DS 0CL45
01472	007280	03	SPECIES-DONT-MATCH	PIC X(45)	07170000	DNM=65-334	BL=27 FCC	0181	DS 20C
01473	007290	03	SPECIES-DONT-MATCH	PIC X(45)	07180000	DNM=65-348	BL=27 FE0	0201	DS 2C
01474	007300	05	FILLER	PIC X(20)	07190000	DNM=65-373	BL=27 FE2	0203	DS 20C
01475	007310	05	NM-SPEC-REC	PIC 99	07200000	DNM=65-387	BL=27 FF6	0223	DS 2C
01476	007320	05	FILLER	PIC X(120)	07210000	DNM=65-413	BL=27 FF8	0225	DS 1C
01477	007330	05	ERR-MSG-SPECS	PIC XX	07220000	DNM=65-427	BL=27 FF9	0226	DS 45C
01478	007340	05	FILLER	PIC X(11)	07230000	DNM=65-463	BL=27 FF9	0226	DS 0CL45
01479	007350	03	SUB-SIZE-EXCEEDS-SAMPLE	PIC X(45)	07240000	DNM=66-000	BL=27 FF9	0226	DS 18C
01480	007360	03	SUB-SIZE-EXCEEDS-SAMPLE	PIC X(45)	07250000	DNM=66-014	BL=28 00B	0244	DS 5C
01481	007370	03	SUB-SIZE-EXCEEDS-SAMPLE	PIC X(45)	07260000	DNM=66-045	BL=28 010	0249	DS 16C
01482	007380	05	FILLER	PIC X(18)	07270000	DNM=66-059	BL=28 020	0265	DS 5C
01483	007390	05	SPEC-SUBSAMP-NMNRX	PIC 9(5)	07280000	DNM=66-085	BL=28 025	0270	US 1C
01484	007400	05	SPEC-SUBSAMP-NMNRX	PIC 9(5)	07290000	DNM=66-099	BL=28 026	0271	DS 45C
01485	007410	05	FILLER	PIC X(16)	07300000	DNM=66-138	BL=28 026	0271	DS 0CL45
01486	007420	05	SPEC-SAMPL-NMNRX	PIC 9(15)	07310000	DNM=66-181	BL=28 026	0271	DS 17C
01487	007430	05	FILLER	PIC X	07320000	DNM=66-195	BL=28 037	0288	DS 5C
01488	007440	03	SAMPLE-SIZE-EXC-COLLECTION	PIC X(45)	07330000	DNM=66-224	BL=28 03C	0293	DS 16C
01489	007450	03	SAMPLE-SIZE-EXC-COLLECTION	PIC X(45)	07340000	DNM=66-238	BL=28 04C	0309	DS 5C
01490	007460	03	SAMPLE-SIZE-EXC-COLLECTION	PIC X(45)	07350000	DNM=66-266	BL=28 051	0314	DS 2C
01491	007470	03	SAMPLE-SIZE-EXC-COLLECTION	PIC X(45)	07360000	DNM=66-280	BL=28 053	0316	DS 45C
01492	007480	05	FILLER	PIC X(17)	07370000	DNM=66-315	BL=28 053	0316	DS 0CL45
01493	007490	05	SPE-SAMPLE-NMNRX	PIC 9(5)	07380000	DNM=66-352	BL=28 053	0316	DS 16C
01494	007500	05	FILLER	PIC X(16)	07390000	DNM=66-366	BL=28 063	0332	DS 7C
01495	007510	05	SPE-TOTAL-NMNRX	PIC 9(5)	07400000	DNM=66-401	BL=28 06A	0339	DS 14C
01496	007520	05	FILLER	PIC XX	07410000	DNM=66-415	BL=28 078	0353	DS 7C
01497	007530	03	SUB-WGT-EXCEEDS-SAMPLE	PIC X(45)	07420000	DNM=66-451	BL=28 07F	0360	DS 1C
01498	007540	03	SUB-WGT-EXCEEDS-SAMPLE	PIC X(45)	07430000	DNM=66-465	BL=28 080	0361	DS 45C
01499	007550	03	SUB-WGT-EXCEEDS-SAMPLE	PIC X(45)	07440000	DNM=67-000	BL=28 080	0361	DS 0CL45
01500	007560	05	FILLER	PIC X(16)	07450000	DNM=67-034	BL=28 080	0361	DS 15C
01501	007570	05	SPE-SUB-WGHTX	PIC 999,999	07460000	DNM=67-048	BL=28 08F	0376	DS 7C
01502	007580	05	FILLER	PIC X(15)	07470000	DNM=67-086	BL=28 096	0383	DS 15C
01503	007590	05	SPE-SAMP-WGHTX	PIC 999,999	07480000	DNM=67-100	BL=28 0A5	0398	DS 7C
01504	007600	05	FILLER	PIC X	07490000	DNM=67-136	BL=28 0AC	0405	DS 1C
01505	007610	03	SAMPLE-WGT-EXCEEDS-TOTAL	PIC X(45)	07500000	DNM=67-150	BL=28 0AD	0406	DS 45C
01506	007620	03	SAMPLE-WGT-EXCEEDS-TOTAL	PIC X(45)	07510000	DNM=67-000	BL=28 080	0361	DS 0CL45
01507	007630	03	SAMPLE-WGT-EXCEEDS-TOTAL	PIC X(45)	07520000	DNM=67-034	BL=28 080	0361	DS 15C
01508	007640	05	FILLER	PIC X(15)	07530000	DNM=67-048	BL=28 08F	0376	DS 7C
01509	007650	05	SPE-SAMPLE-WGHTX	PIC 999,999	07540000	DNM=67-086	BL=28 096	0383	DS 15C
01510	007660	05	FILLER	PIC X(15)	07550000	DNM=67-100	BL=28 0A5	0398	DS 7C
01511	007670	05	SPE-TOTL-WGHTX	PIC 999,999	07560000	DNM=67-136	BL=28 0AC	0405	DS 1C
01512	007680	05	FILLER	PIC X	07570000	DNM=67-150	BL=28 0AD	0406	DS 45C
01513	007690	03	INVALID-REC-FOR-CODE	PIC X(45)	07580000	DNM=67-000	BL=28 080	0361	DS 0CL45
01514	007700	03	INVALID-REC-FOR-CODE	PIC X(45)	07590000	DNM=67-034	BL=28 080	0361	DS 15C

35	NW100	10-43.12	APR 3, 1984	INT NAME	BASE	DISP	RLOI	DEFINITION
01515	007710	03	INVALID-REC-FUR-CODE-R-REDEFINES-INVALID-REC-FOR-CODE- 05 FILLER	DNM-67-183	BL=28 0A0	0406	DS 0CL45	
01516	007720	05	FILLER	DNM-67-221	BL=28 0A0	0406	DS 44C	
01517	007730	05	ERR-MSG-CODE	DNM-67-235	BL=28 009	0450	DS 1C	
01518	007740	03	INVALID-INDIV-FORMAT	DNM-67-260	BL=28 0DA	0451	DS 45C	
01519	007750	05	VALUE 'SPECIES CODE 1 OR 2 HAS DATA AFTER INDIV.LTH.'	DNM-67-293	BL=28 107	0496	DS 45C	
01520	007760	03	DUPPLICATE-INDIV-RECS	DNM-67-326	BL=28 134	0541	DS 45C	
01521	007770	05	VALUE 'MORE THAN 2 OCCUR. OF AN INDIV.RECORD KEY CODE'	DNM-67-356	BL=28 134	0541	DS 0CL45	
01522	007780	03	INDIV-LTH-DISCREP	DNM-67-391	BL=28 134	0541	DS 40C	
01523	007790	05	VALUE 'LTH OF 2ND IND.REC.LESS THAN LTH.OF 1ST(XXXX)'	DNM-67-405	BL=28 15C	0581	DS 4C	
01524	007800	03	INDIV-LTH-DISCREP-R-REDEFINES INDIV-LTH-DISCREP.	DNM-67-429	BL=28 160	0585	DS 1C	
01525	007810	05	FILLER	DNM-67-443	BL=28 161	0586	DS 45C	
01526	007820	05	ERR-MSG-LTH	DNM-67-473	BL=28 18E	0631	DS 45C	
01527	007830	05	FILLER	DNM-68-000	BL=28 18E	0631	DS 0CL45	
01528	007840	03	YEAR-DOESNT-MATCH	DNM-68-039	BL=28 18E	0631	DS 14C	
01529	007850	05	VALUE 'SEQ. NBR. YEAR DOES NOT MATCH ENVIR.-DATE YEAR'	DNM-68-053	BL=28 18C	0645	DS 5C	
01530	007860	03	SUBSAMPLES-DONT-MATCH	DNM-68-082	BL=28 1A1	0650	DS 21C	
01531	007870	05	VALUE 'NUM.INDIV.REC(12345) NE SPEC SUBSAM. OF XXXXX'	DNM-68-096	BL=28 186	0671	DS 5C	
01532	007880	03	SUBSAMPLES-DONT-MATCH-R REDEFINES SUBSAMPLES-DONT-MATCH.	DNM-68-123	BL=28 188	0676	DS 45C	
01533	007890	05	FILLER	DNM-68-150	BL=28 1E8	0721	DS 45C	
01534	007900	05	NUMBER-INDIV-RECS	DNM-68-175	BL=28 1E8	0721	DS 0CL45	
01535	007910	05	FILLER	DNM-68-202	BL=28 1E8	0721	DS 39C	
01536	007920	05	ERR-MSG-SUBSAM	DNM-68-216	BL=28 20F	0760	DS 6C	
01537	007930	05	FILLER	DNM-68-240	BL=28 215	0766	DS 45C	
01538	007940	03	ANL-DIST-ERR	DNM-68-268	BL=28 215	0766	DS 0CL45	
01539	007950	05	VALUE 'DIS-TO ANL.DOES NOT INCR.AS AGE IS APPROACHED'	DNM-68-301	BL=28 215	0766	DS 39C	
01540	007960	03	TAG-NBR-LESS	DNM-68-315	BL=28 23C	0805	DS 4C	
01541	007970	05	VALUE 'TAG ON 2ND INDIV. REC LESS THAN 1ST OF XXXXXX'	DNM-68-339	BL=28 240	0809	DS 2C	
01542	007980	03	TAG-NBR-LESS-R	DNM-68-353	BL=28 242	0811	DS 45C	
01543	007990	05	FILLER	DNM-68-381	BL=28 26F	0856	DS 45C	
01544	008000	03	TAG-VBR-MSG-TAG	DNM-68-408	BL=28 29C	0901	DS 45C	
01545	008010	05	VALUE '2ND TAG - 1ST-TAG NOT = NBR.SUBSAM. OF-XXXX-1'	DNM-68-436	BL=28 2C9	0946	DS 45C	
01546	008020	05	FILLER	DNM-68-468	BL=28 2F6	0991	DS 45C	
01547	008030	03	INDIV-COUNT-ERR	DNM-69-000	BL=28 323	1036	DS 45C	
01548	008040	05	VALUE 'INDIV.COUNT NOT = 1 FOR TYPE 3-FORMAT'	DNM-69-030	BL=28 350	1081	DS 45C	
01549	008050	03	INDIV-LINE-ERR	DNM-69-058	BL=28 370	1126	DS 45C	
01550	008060	05	VALUE 'INDIV.LINE NBR.NOT = 1 OR 2 FOR TYPE 3-FORMAT'	DNM-69-087	BL=28 3AA	1171	DS 45C	
01551	008070	03	MISSING-INDIV-DATA	DNM-69-116	BL=28 3AA	1171	DS 0CL45	
01552	008080	05	VALUE 'NO INDIV.DATA(EXCP.LTH) FOR TYP.4 OR 7-FORMAT'					
01553	008090	03	NBR-ANL-DIST-CT-AGE					
01554	008100	05	VALUE 'NUMBER DISTANCES TO ANL.GREATER THAN-ANL.-AGE'					
01555	008110	03	ANL-LTH-TO-EDGE-ERR					
01556	008120	05	VALUE 'ANL.LTH-TO EDGE NOT = MARG.INCR.+DIST-TO ANL.'					
01557	008130	03	AGE-LT-SPAWN-MARK					
01558	008140	05	VALUE 'INDIV.AGE IS LESS THAN INDIV.SPAWN MARKS CNT.'					
01559	008150	03	MISSING-ANNUCUS					
01560	008160	05	VALUE 'INDIV.AGE STATUS = 2 BUT NO ANL-REC.FOLLOWED'					
01561	008170	03	IND-AGE-STAT-ERR					
01562	008180	05	VALUE 'ANNUCUS DATA BUT INDIV. AGE STATUS NOT = 2'					
01563	008190	03	INVALID-GEAR-MSG					
01564	008200	05	VALUE 'GEAR TYPE 123 IS INVLD FOR PROGRAM NUMBER 123'					
01565	008210	03	INVALID-GEAR-MSGX REDEFINES INVALID-GEAR-MSG.					
01566	008220	05	FILLER					
01567	008230	03	INVALID-GEAR-MSGX REDEFINES INVALID-GEAR-MSG.					
01568	008240	05	FILLER					

01569	008253	05 FILLER	PIC X(10).	08160000	DNM=69-146	BL=28 3AA	1171	DS 10C
01570	008260	05 GEAR-TYPEX	PIC 999.	08150000	DNM=69-160	BL=28 3B4	1181	DS 3C
01571	008270	05 FILLER	PIC X(12).	08160000	DNM=69-183	BL=28 3B7	1184	DS 29C
01572	008280	05 PRGM-NUMBRX	PIC 999.	08170000	DNM=69-197	BL=28 3D4	1213	DS 3C
01573	008290	03 INVALID-STA-MSG	PIC X(45)	08180000	DNM=69-221	BL=28 3D7	1216	DS 45C
01574	008300	03 VALUE 'STATION' NBR 12345 INVALID FOR LOC 1234567890	PIC X(45)	08190000	DNM=69-249	BL=28 3D7	1216	DS 0CL45
01575	008310	03 INVALID-STA-MSG-R REDEFINES INVALID-STA-MSG.	PIC X(12).	08200000	DNM=69-262	BL=28 3D7	1216	DS 12C
01576	008320	05 FILLER	PIC X(12).	08210000	DNM=69-296	BL=28 3E3	1228	DS 5C
01577	008330	05 STAT-NUMBRX	PIC X(45)	08220000	DNM=69-319	BL=28 3E8	1233	DS 17C
01578	008340	05 FILLER	PIC X(17).	08230000	DNM=69-333	BL=28 3F9	1250	DS 10C
01579	008350	05 START-LOCX	PIC X(10).	08240000	DNM=69-356	BL=28 403	1260	DS 1C
01580	008360	05 FILLER	PIC X.	08250000	DNM=69-370	BL=28 404	1261	DS 45C
01581	008370	03 START-LOC-ERROR	PIC X(45)	08260000	DNM=69-398	BL=28 431	1306	DS 45C
01582	008380	03 VALUE 'START LOCAT' IS INVALID FOR THIS PROGRAM NBR.	PIC X(45)	08270000	DNM=69-427	BL=28 45E	1351	DS 45C
01583	008390	03 TAG-TYPE-NBR-ERR	PIC X(45)	08280000	DNM=69-454	BL=28 488	1396	DS 45C
01584	008400	03 VALUE 'SPECIES-TAG-TYPE AND NBR' TAGD. INCONSISTENT.	PIC X(45)	08290000	DNM=70-000	BL=28 488	1441	DS 45C
01585	008410	03 NBR-TAGGED-ERR	PIC X(45)	08300000	DNM=70-032	BL=28 4E5	1486	DS 45C
01586	008420	03 VALUE 'COLLECTION CNT. LESS THAN TOT. NBR. TAGGED	PIC X(45)	08310000	DNM=70-064	BL=28 512	1531	DS 45C
01587	008430	03 INDIV-AGE-INCONSIS	PIC X(45)	08320000	DNM=70-096	BL=28 53F	1576	DS 45C
01588	008440	03 VALUE 'INDIV. AGE INCONSISTENCY AMONG VARS.	PIC X(45)	08400000	DNM=70-132	BL=28 53F	1576	DS 0CL45
01589	008450	03 INDIV-AGE-STAT-ERR2	PIC X(45)	08420000	DNM=70-173	BL=28 53F	1576	DS 14C
01590	008460	03 VALUE 'AGE STATUS = 1 BUT NO AGE RECORDED	PIC X(14).	08430000	DNM=70-187	BL=28 54D	1590	DS 10C
01591	008470	03 INDIV-AGE-STAT-ERR3	PIC X(45)	08440000	DNM=70-209	BL=28 557	1600	DS 21C
01592	008480	03 VALUE 'AGE STATUS = 2 BUT NO AGE RECORDED	PIC X(10).	08450000	DNM=70-223	BL=28 56C	1621	DS 45C
01593	008490	03 INDIV-AGE-STAT-ERR4	PIC X(45)	08460000	DNM=70-258	BL=28 599	1666	DS 45C
01594	008500	03 VALUE 'AGE STATUS = 3 BUT AGE OR SPAWN MARK NOT BLNK.	PIC X(10).	08470000	DNM=70-294	BL=28 5C6	1711	DS 45C
01595	008510	03 SPECIES-GROUP-NOT-FOUND	PIC X(45)	08480000	DNM=70-331	BL=28 5F3	1756	DS 45C
01596	008520	03 VALUE 'SPECIES CODE 1234567890 NOT FOUND IN MESPP.	PIC X(45)	08490000	DNM=70-360	BL=28 5F3	1756	DS 0CL45
01597	008530	03 SPECIES-GROUP-NOT-FOUND-R REDEFINES	PIC X(45)	08500000	DNM=70-394	BL=28 5F3	1756	DS 9C
01598	008540	03 SPECIES-GROUP-NOT-FOUND.	PIC X(14).	08510000	DNM=70-408	BL=28 5FC	1765	DS 10C
01599	008550	05 FILLER	PIC X(10).	08520000	DNM=70-434	BL=28 606	1775	DS 26C
01600	008560	05 SPEC-CODE	PIC X(21).	08530000	DNM=70-448	BL=28 620	1801	DS 45C
01601	008570	05 FILLER	PIC X(10).	08540000	DNM=70-477	BL=28 620	1801	DS 0CL45
01602	008580	03 INVALID-SPECIES-CODE-6	PIC X(45)	08550000	DNM=71-000	BL=28 620	1801	DS 10C
01603	008590	03 VALUE 'INVALID SPECIES INDIV FORMAT CODE OF 6 FOUND	PIC X(10).	08560000	DNM=71-014	BL=28 62A	1811	DS 3C
01604	008600	03 NONEQUAL-LTH-AND-MARGIN	PIC X(45)	08570000	DNM=71-037	BL=28 62D	1814	DS 32C
01605	008610	03 VALUE 'WITH ANN-AGE = 0' ANN-LCTH-NE ANN-L-MARGIN	PIC X(45)	08580000	DNM=71-051	BL=28 640	1846	DS 45C
01606	008620	03 LGTH-LAST-ANN-L-INCONSIS	PIC X(45)	08590000				
01607	008630	03 VALUE 'LTH-TO-EDGE LESS THAN LAST ANNULUS MEASUREMNT.	PIC X(45)	08600000				
01608	008640	03 ENVIR-LOC-NOT-FOUND	PIC X(45)	08610000				
01609	008650	03 VALUE 'LOCATION 1234567890 NOT IN TABLE, CODES INVLD.	PIC X(45)	08620000				
01610	008660	03 ENVIR-LOC-NOT-FOUND-R REDEFINES	PIC X(45)	08630000				
01611	008670	03 ENVIR-LOC-NOT-FOUND.	PIC X(45)	08640000				
01612	008680	05 FILLER	PIC X(9).	08650000				
01613	008690	05 LOCATION-CODE	PIC X(10).	08660000				
01614	008700	05 FILLER	PIC X(26).	08670000				
01615	008710	03 NON-NUMERIC-GEAR	PIC X(45)	08680000				
01616	008720	03 VALUE 'GEAR-CODE XXX NOT NUMERIC, REPLACED BY ZEROS	PIC X(45)	08690000				
01617	008730	03 NON-NUMERIC-GEAR-R REDEFINES	PIC X(45)	08700000				
01618	008740	03 NON-NUMERIC-GEAR.	PIC X(45)	08710000				
01619	008750	05 FILLER	PIC X(10).	08720000				
01620	008760	05 INV-GEAR-CODE	PIC X(31).	08730000				
01621	008770	05 FILLER	PIC X(32).	08740000				
01622	008780	03 MISSING-CODE3-NMNR2	PIC X(45)	08750000				

37 NM100 10-43-12 APR 3,1984

INT NAME	BASE	DISP	RL01	DEFINITION
01623	008790	03	VALUE 'MISSING-LINE-002 FOR CODE-3 SPECIES-RECORD'	08680000
01624	008800	03	AGE-CONFLICT PIC X(45)	08690000
01625	008810	03	VALUE 'AGE CONFLICT BETWEEN INDIV & ANNULUS RECORDS'	08700000
01626	008820	03	DATE-REC1-REC9-ERR PIC X(45)	08710000
01627	008830	03	VALUE 'ENVIR DATE(YMMDD) 123456 GT RECAPT DATE 123456'	08720000
01628	008840	03	DATE-REC1-REC9-ERR2 REDEFINES DATE-REC1-REC9-ERR	08730000
01629	008850	05	FILLER PIC X(18)	08740000
01630	008860	05	ERR-ENVIR-DATE PIC X(6)	08750000
01631	008870	05	FILLER PIC X(11)	08760000
01632	008880	05	ERR-RECAPT-DATE PIC X(6)	08770000
01633	008890	03	RECAPT-DAYS-OUT-ERR PIC X(45)	08780000
01634	008900	03	VALUE 'DAYS OUT(1234) NE CALCD DIFF BTWN DATES(1234)'	08790000
01635	008910	03	RECAPT-DAYS-OUT-ERR-R REDEFINES RECAPT-DAYS-OUT-ERR	08800000
01636	008920	05	FILLER PIC X(9)	08810000
01637	008930	05	ERR-DAYS-OUT PIC X(999)	08820000
01638	008940	05	FILLER PIC X(12)	08830000
01639	008950	05	ERR-DAYS-DIFF PIC X(999)	08840000
01640	008960	05	FILLER PIC X	08850000
01641	008970	03	TAG-NUMBER-ERROR PIC X(45)	08860000
01642	008980	03	VALUE 'TAG NUMBER (123456) IS NOT VALID'	08870000
01643	008990	03	TAG-NUMBER-ERR-R REDEFINES TAG-NUMBER-ERROR	08880000
01644	009000	05	FILLER PIC X(12)	08890000
01645	009010	05	TAG-NBR-ERROR PIC X(6)	08900000
01646	009020	05	FILLER PIC X(12)	08910000
01647	009030	03	ENVIR-DURATION-ERROR PIC X(45)	08920000
01648	009040	03	VALUE 'WITH GEAR=0, DURATION NE BLANK, I.E.(1234)'	08930000
01649	009050	03	ENVIR-DURATION-ERR-R REDEFINES ENVIR-DURATION-ERROR	08940000
01650	009060	05	FILLER PIC X(37)	08950000
01651	009070	05	ENVIR-DURAT-ERR PIC X(4)	08960000
01652	009080	05	FILLER PIC X(4)	08970000
01653	009090	03	ENVIR-NON-ZERO-GEAR PIC X(45)	08980000
01654	009100	03	VALUE 'WITH REPLIC=0, GEAR NE 0, I.E.(123)'	08990000
01655	009110	03	ENVIR-NON-ZERO-GEAR-R REDEFINES ENVIR-NON-ZERO-GEAR	09000000
01656	009120	05	FILLER PIC X(31)	09010000
01657	009130	05	ENVIR-NON-ZERO-GEAR-R REDEFINES ENVIR-NON-ZERO-GEAR	09020000
01658	009140	05	FILLER PIC X(11)	09030000
01659	009150	03	SPAWN-CONFLICT PIC X(45)	09040000
01660	009160	03	VALUE 'INDIV SPAWN CNT(12) NE ANNUL SPAWN CNT(12)'	09050000
01661	009170	03	TAG-NUMBER-ERR-R REDEFINES SPAWN-CONFLICT	09060000
01662	009180	05	FILLER PIC X(16)	09070000
01663	009190	05	INDIV-SPWN PIC X	09080000
01664	009200	05	FILLER PIC X(20)	09090000
01665	009210	05	ANNUL-SPWN PIC X	09100000
01666	009220	05	FILLER PIC X(15)	09110000
01667	009230	03	TAG-NUMBER-REPEATED PIC X(45)	09120000
01668	009240	03	VALUE 'TAG-NUMBER(123456)-REPEATED ACROSS LINE NUMBERS'	09130000
01669	009250	05	FILLER PIC X(9)	09140000
01670	009260	05	TAG-NUMBER-REPEATED-R REDEFINES TAG-NUMBER-REPEATED	09150000
01671	009270	05	TAG-NUMBER-ERROR PIC X(6)	09160000
01672	009280	05	FILLER PIC X(30)	09170000
01673	009290	03	TAG-TYPE-ERROR PIC X(45)	09180000
01674	009300	03	VALUE 'THIRD TAG-TYPE(1) FOUND WITHIN SPECIES GROUP'	09190000
01675	009310	03	TAG-TYPE-ERROR-R REDEFINES TAG-TYPE-ERROR	09200000
01676	009320	05	FILLER PIC X(15)	09210000

38	NR100	10.43.12	APR 3, 1984	INT NAME	BASE	DISP	RL01	DEFINITION
01677	009330	05	ERR-TAG-TYPE	PIC X(29)	BL=28 7F1	2366	DS 1C	
01678	009340	05	FILLER	PIC X(45)	BL=28 7F2	2367	DS 29C	
01679	009350	03	TAG-AND-SPE-CNT-ERROR	PIC X(45)	BL=28 80F	2396	DS 45C	
01680	009360	03	VALUE-NUM TAG-RCPT(12345)-GT-SPEC-REC(12345) TAG(X) *					
01681	009370	03	TAG-AND-SPE-CNT-ERROR-R REDEFINES TAG-AND-SPE-CNT-ERROR.					
01682	009380	05	FILLER	PIC X(13)	BL=28 80F	2396	DS 0CL45	
01683	009390	05	ERR-TAG-CNTR	PIC X(5)	BL=28 80F	2396	DS 13C	
01684	009400	05	FILLER	PIC X(14)	BL=28 81C	2399	DS 5C	
01685	009410	05	ERR-SPE-CNTR	PIC X(5)	BL=28 82F	2314	DS 14C	
01686	009420	05	FILLER	PIC X(6)	BL=28 834	2328	DS 5C	
01687	009430	05	ERR-TAG-TYPX	PIC X	BL=28 834	2333	DS 6C	
01688	009440	05	FILLER	PIC X	BL=28 838	2339	DS 1C	
01689	009450	03	TAG-OR-SPE-ZERO-FIELD	PIC X(45)	BL=28 83C	2341	DS 45C	
01690	009460	03	VALUE 'ZERO' IN DATE FLD-ENVIR(123456), REPT(123456) *					
01691	009470	03	TAG-OR-SPE-ZERO-FIELD-R REDEFINES TAG-OR-SPE-ZERO-FIELD.					
01692	009480	05	FILLER	PIC X(23)	BL=28 83C	2341	DS 23C	
01693	009490	05	Z-ENVIR-DATE	PIC X(6)	BL=28 853	2364	DS 6C	
01694	009500	05	FILLER	PIC X(9)	BL=28 859	2370	DS 9C	
01695	009510	05	Z-RECAPT-DATE	PIC X(6)	BL=28 862	2379	DS 6C	
01696	009520	05	FILLER	PIC X	BL=28 868	2385	DS 1C	
01697	009530	03	TAG-RECAPT-DATE-CONFLICT	PIC X(45)	BL=28 869	2386	DS 45C	
01698	009540	03	VALUE 'ZERO' IN DATE-FIELD, DAYS OUT-NONBLANK(1234) *					
01699	009550	03	TAG-RECAPT-DATE-CONFLICT-R REDEFINES TAG-RECAPT-DATE-CONFLICT.					
01700	009560	05	FILLER	PIC X(38)	BL=28 869	2386	DS 38C	
01701	009570	05	DAY-OUT-CONFLICT	PIC XXXX	BL=28 88F	2424	DS 4C	
01702	009580	05	FILLER	PIC XXX	BL=28 893	2428	DS 3C	
01703	009590	03	ADDITIONAL-ERROR-MESSAGES-ADDED 2/84-8Y EFF	PIC X(45)	BL=28 896	2431	DS 45C	
01704	009600	03	DIST-TRAVELED-ERR					
01705	009610	03	VALUE 'DIST TRAVELED' = 1234, PUT RECAPT LOC IS BLANK *					
01706	009620	03	DIST-TRAVELED-ERR-R REDEFINES DIST-TRAVELED-ERR.					
01707	009630	05	FILLER	PIC X(16)	BL=28 896	2431	DS 16C	
01708	009640	05	ERR-DISTANCE-TRAVELED	PIC X(4)	BL=28 886	2447	DS 4C	
01709	009650	05	FILLER	PIC X(25)	BL=28 8AA	2451	DS 25C	
01710	009660	03	STATUS-NRR-ERR	PIC X(45)	BL=28 8C3	2476	DS 45C	
01711	009670	03	VALUE 'FOR NON-BLANK TAG NM3R, STATUS MUST BE 1,2,3' *					
01712	009680	03	FORM-OF-RECORD-TYPE-IV-ERR	PIC X(45)	BL=28 8F0	2521	DS 45C	
01713	009690	03	VALUE 'FORM OF REC TYPE IV = 5 AND REPLICATE NOT= 00' *					
01714	009700	03	END-OF-ADDITION-ERR					
01715	009710							
01716	009720							

39 NM100 10-43.12 APR 3, 1984

INT NAME

BASE

DISP

RL01

DEFINITION

01718	009740	01	LAST-CONTROL	PIC X.	09500000	DNM=74-329	BL=28 920	0001	DS	OCL24
01719	009750	03	LAST-REC-TYPE	VALUE '1'.	09510000	DNM=74-357	BL=28 920	0001	DS	IC
01720	009760	88	LAST-TYPE-ENVIR	VALUE '1'.	09520000					
01721	009770	88	LAST-TYPE-REPLIC	VALUE '2'.	09530000					
01722	009780	88	LAST-TYPE-SPECIES	VALUE '3'.	09540000					
01723	009790	88	LAST-TYPE-INDIV	VALUE '4'.	09550000					
01724	009800	88	LAST-TYPE-ANULUS	VALUE '5'.	09560000					
01725	009810	88	LAST-TYPE-TAG-RECAPT	VALUE '9'.	09570000					
01726	009820	03	LAST-RECORD-KEY		09580000	DNM=75-085	BL=28 921	0002	DS	OCL23
01727	009830	05	LAST-SEQ-NBR	PIC X(7).	09590000	DNM=75-096	BL=28 921	0002	DS	TC
01728	009840	05	LAST-REP-NBR	PIC X(12).	09600000	DNM=75-121	BL=28 928	0009	DS	2C
01729	009850	05	LAST-SPECIES-GROUP		09610000	DNM=75-146	BL=28 92A	0011	DS	OCL11
01730	009860	07	LAST-SPECIES-CODE PIC X(10).		09620000	DNM=75-180	BL=28 92A	0011	DS	10C
01731	009870	07	LAST-SPECIES-STATUS PIC X.		09630000	DNM=75-210	BL=28 934	0021	DS	1C
01732	009880	05	LAST-LINE-NBR	PIC X(13).	09640000	DNM=75-242	BL=28 935	0022	DS	3C
01733	009890	05	LAST-LINE-NBR-R REDEFINES LAST-LINE-NBR PIC 999.		09650000	DNM=75-265	BL=28 935	0022	DS	3C
01734	009900				09660000					
01735	000010		*****							
01736	000020		*****							
01737	000030		*****							
01738	000040		*****							
01739	000050		*****							
01740	000060		*****							
01741	000070		*****							
01742	000080		*****							
01743	000090		*****							
01744	000100		*****							
01745	000110		*****							
01746	000120		*****							
01747	000130		*****							
01748	000140		*****							
01749	000150	01	STATION-TABLE-1.			DNM=75-283	BL=28 938	0001	DS	OCL18039
01750	000160	03	FILLER PIC X(10)	COMP-3	VALUE '0904060000.	DNM=75-324	BL=28 938	0001	DS	6P
01751	000170	03	FILLER PIC X(15)		VALUE 'CR29 CB30	DNM=75-338	BL=28 93E	0007	DS	15C
01752	000180	03	FILLER PIC X(10)	COMP-3	VALUE '0100010000.	DNM=75-352	BL=28 940	0022	DS	6P
01753	000190	03	FILLER PIC X(15)		VALUE '124 301 302	DNM=75-366	BL=28 953	0028	DS	15C
01754	000200	03	FILLER PIC X(10)	COMP-3	VALUE '0100020000.	DNM=75-380	BL=28 962	0043	DS	6P
01755	000210	03	FILLER PIC X(15)		VALUE '306 308 2E	DNM=75-394	BL=28 968	0049	DS	15C
01756	000220	03	FILLER PIC X(10)	COMP-3	VALUE '0100030000.	DNM=75-408	BL=28 977	0064	DS	6P
01757	000230	03	FILLER PIC X(15)		VALUE '3105 311 312	DNM=75-422	BL=28 970	0070	DS	15C
01758	000240	03	FILLER PIC X(10)	COMP-3	VALUE '0100040000.	DNM=75-436	BL=28 98C	0085	DS	6P
01759	000250	03	FILLER PIC X(15)		VALUE 'CS32	DNM=75-450	BL=28 992	0091	DS	15C
01760	000260	03	FILLER PIC X(10)	COMP-3	VALUE '0100050000.	DNM=75-464	BL=28 9A1	0106	DS	6P
01761	000270	03	FILLER PIC X(15)		VALUE '316 CS41 CS47	DNM=75-478	BL=28 9A7	0112	DS	15C
01762	000280	03	FILLER PIC X(10)	COMP-3	VALUE '0100060000.	DNM=75-492	BL=28 98C	0127	DS	6P
01763	000290	03	FILLER PIC X(15)		VALUE '1115 1125 123	DNM=76-000	BL=28 98C	0133	DS	15C
01764	000300	03	FILLER PIC X(10)	COMP-3	VALUE '0100080000.	DNM=76-014	BL=28 9CB	0148	DS	6P
01765	000310	03	FILLER PIC X(15)		VALUE '307	DNM=76-028	BL=28 901	0154	DS	15C
01766	000320	03	FILLER PIC X(10)	COMP-3	VALUE '0100090000.	DNM=76-042	BL=28 9E0	0169	DS	6P
01767	000330	03	FILLER PIC X(15)		VALUE 'CS20 CS21	DNM=76-056	BL=28 9E6	0175	DS	15C
01768	000340	03	FILLER PIC X(10)	COMP-3	VALUE '0101000000.	DNM=76-070	BL=28 9F5	0190	DS	6P
01769	000350	03	FILLER PIC X(15)		VALUE '300 CS17	DNM=76-084	BL=28 9FB	0196	DS	15C
01770	000360	03	FILLER PIC X(10)	COMP-3	VALUE '0104000000.	DNM=76-098	BL=28 A0A	0211	DS	6P
01771	000370	03	FILLER PIC X(15)		VALUE 'CS22	DNM=76-112	BL=28 A10	0217	DS	15C

INT NAME BASE DISP RL01 DEFINITION

APR 3, 1984

10.43.12

MM100

40

01772	000380	03	FILLER	PIC-9(10)	COMP-3	VALUE	01080000000.	DNM=76-126	BL=28	A1F	0232	DS	6P
01773	000390	03	FILLER	PIC-X(15)	---	VALUE	*313	DNM=76-140	BL=28	A25	0238	DS	15C
01774	000400	03	FILLER	PIC-9(10)	COMP-3	VALUE	0110000000.	DNM=76-154	BL=28	A34	0253	DS	6P
01775	000410	03	FILLER	PIC-X(15)	---	VALUE	*314 3E 3ME	DNM=76-168	BL=28	A3A	0259	DS	15C
01776	000420	03	FILLER	PIC-9(10)	COMP-3	VALUE	0113000000.	DNM=76-182	BL=28	A9	0274	DS	6P
01777	000430	03	FILLER	PIC-X(15)	---	VALUE	*3 315 CS30	DNM=76-196	BL=28	A4F	0280	DS	15C
01778	000440	03	FILLER	PIC-9(10)	COMP-3	VALUE	0114000000.	DNM=76-210	BL=28	A5E	0295	DS	6P
01779	000450	03	FILLER	PIC-X(15)	---	VALUE	*3175 318 3195	DNM=76-224	BL=28	A64	0301	DS	15C
01780	000460	03	FILLER	PIC-9(10)	COMP-3	VALUE	0114020000.	DNM=76-238	BL=28	A73	0316	DS	6P
01781	000470	03	FILLER	PIC-X(15)	---	VALUE	*320 CS51	DNM=76-252	BL=28	A79	0322	DS	15C
01782	000480	03	FILLER	PIC-9(10)	COMP-3	VALUE	0114020100.	DNM=76-266	BL=28	A88	0337	DS	6P
01783	000490	03	FILLER	PIC-X(15)	---	VALUE	*1 4 5	DNM=76-280	BL=28	A8E	0343	DS	15C
01784	000500	03	FILLER	PIC-9(10)	COMP-3	VALUE	0114020201.	DNM=76-294	BL=28	A9D	0358	DS	6P
01785	000510	03	FILLER	PIC-X(15)	---	VALUE	*2	DNM=76-308	BL=28	A93	0364	DS	15C
01786	000520	03	FILLER	PIC-9(10)	COMP-3	VALUE	*69 T3 CR2	DNM=76-322	BL=28	A82	0379	DS	6P
01787	000530	03	FILLER	PIC-X(15)	---	VALUE	*49 T3 CR2	DNM=76-336	BL=28	A88	0385	DS	15C
01788	000540	03	FILLER	PIC-9(10)	COMP-3	VALUE	0200020000.	DNM=76-350	BL=28	AC7	0400	DS	6P
01789	000550	03	FILLER	PIC-X(15)	---	VALUE	*139 S1 S2	DNM=76-364	BL=28	ACD	0406	DS	15C
01790	000560	03	FILLER	PIC-9(10)	COMP-3	VALUE	0200030000.	DNM=76-378	BL=28	ADC	0421	DS	6P
01791	000570	03	FILLER	PIC-X(15)	---	VALUE	*153 S7 S8	DNM=76-392	BL=28	AE2	0427	DS	15C
01792	000580	03	FILLER	PIC-9(10)	COMP-3	VALUE	0200040000.	DNM=76-406	BL=28	AE1	0442	DS	6P
01793	000590	03	FILLER	PIC-X(15)	---	VALUE	*140 152 129	DNM=76-420	BL=28	AF7	0448	DS	15C
01794	000600	03	FILLER	PIC-9(10)	COMP-3	VALUE	0200050000.	DNM=76-434	BL=28	B06	0463	DS	6P
01795	000610	03	FILLER	PIC-X(15)	---	VALUE	*138 141 149	DNM=76-448	BL=28	B0C	0469	DS	15C
01796	000620	03	FILLER	PIC-9(10)	COMP-3	VALUE	0200060000.	DNM=76-462	BL=28	B1B	0484	DS	6P
01797	000630	03	FILLER	PIC-X(15)	---	VALUE	*151 AS25 W1	DNM=76-476	BL=28	B21	0490	DS	15C
01798	000640	03	FILLER	PIC-9(10)	COMP-3	VALUE	0200070000.	DNM=76-490	BL=28	B30	0505	DS	6P
01799	000650	03	FILLER	PIC-X(15)	---	VALUE	*1275 136 137	DNM=77-000	BL=28	B36	0511	DS	15C
01800	000660	03	FILLER	PIC-9(10)	COMP-3	VALUE	0200080000.	DNM=77-014	BL=28	B45	0526	DS	6P
01801	000670	03	FILLER	PIC-X(15)	---	VALUE	*130S 142 150	DNM=77-028	BL=28	B4B	0532	DS	15C
01802	000680	03	FILLER	PIC-9(10)	COMP-3	VALUE	0200090000.	DNM=77-042	BL=28	B5A	0547	DS	6P
01803	000690	03	FILLER	PIC-X(15)	---	VALUE	*126S E11 E12	DNM=77-056	BL=28	B5D	0553	DS	15C
01804	000700	03	FILLER	PIC-9(10)	COMP-3	VALUE	0200100000.	DNM=77-070	BL=28	B6F	0568	DS	6P
01805	000710	03	FILLER	PIC-X(15)	---	VALUE	*8 AS28 A10	DNM=77-084	BL=28	B75	0574	DS	15C
01806	000720	03	FILLER	PIC-9(10)	COMP-3	VALUE	0200110000.	DNM=77-098	BL=28	B84	0589	DS	6P
01807	000730	03	FILLER	PIC-X(15)	---	VALUE	*275 135 AS16	DNM=77-112	BL=28	B8A	0595	DS	15C
01808	000740	03	FILLER	PIC-9(10)	COMP-3	VALUE	0200120000.	DNM=77-126	BL=28	B99	0610	DS	6P
01809	000750	03	FILLER	PIC-X(15)	---	VALUE	*144 144 S AS33	DNM=77-140	BL=28	B9F	0616	DS	15C
01810	000760	03	FILLER	PIC-9(10)	COMP-3	VALUE	0200130000.	DNM=77-154	BL=28	B9E	0631	DS	6P
01811	000770	03	FILLER	PIC-X(15)	---	VALUE	*134 AS7	DNM=77-168	BL=28	B84	0637	DS	15C
01812	000780	03	FILLER	PIC-9(10)	COMP-3	VALUE	0200140000.	DNM=77-182	BL=28	B83	0652	DS	6P
01813	000790	03	FILLER	PIC-X(15)	---	VALUE	*145 145 S 5	DNM=77-196	BL=28	B89	0658	DS	15C
01814	000800	03	FILLER	PIC-9(10)	COMP-3	VALUE	0200160000.	DNM=77-210	BL=28	B08	0673	DS	6P
01815	000810	03	FILLER	PIC-X(15)	---	VALUE	*1315 4 25	DNM=77-224	BL=28	B0E	0679	DS	15C
01816	000820	03	FILLER	PIC-9(10)	COMP-3	VALUE	0200170000.	DNM=77-238	BL=28	BED	0694	DS	6P
01817	000830	03	FILLER	PIC-X(15)	---	VALUE	*125 125 S 132	DNM=77-252	BL=28	B73	0700	DS	15C
01818	000840	03	FILLER	PIC-9(10)	COMP-3	VALUE	0200180000.	DNM=77-266	BL=28	C02	0715	DS	6P
01819	000850	03	FILLER	PIC-X(15)	---	VALUE	*146 147 S 26	DNM=77-280	BL=28	C08	0721	DS	15C
01820	000860	03	FILLER	PIC-9(10)	COMP-3	VALUE	0201000000.	DNM=77-294	BL=28	C17	0736	DS	6P
01821	000870	03	FILLER	PIC-X(15)	---	VALUE	*15 2S 4	DNM=77-308	BL=28	C10	0742	DS	15C
01822	000880	03	FILLER	PIC-9(10)	COMP-3	VALUE	0201020000.	DNM=77-322	BL=28	C8C	0757	DS	6P
01823	000890	03	FILLER	PIC-X(15)	---	VALUE	*15 6 NR1	DNM=77-336	BL=28	C32	0763	DS	15C
01824	000900	03	FILLER	PIC-9(10)	COMP-3	VALUE	0201030000.	DNM=77-350	BL=28	C41	0778	DS	6P
01825	000910	03	FILLER	PIC-X(15)	---	VALUE	*18 D16	DNM=77-364	BL=28	C47	0784	DS	15C

41	NN100	10.43.12	APR 3.1984																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
----	-------	----------	------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

42	NW100	10-43.12	APR 3,1984	INT NAME	BASE	DISP	RLOI	DEFINITION			
1	01880	001460	03 FILLER	PIC 9(10)	COMP-3	VALUE	0202090000.	DNM=79-126	8L=28 E8D	1366	DS 6P
2	01881	001470	03 FILLER	PIC 9(15)	COMP-3	VALUE	'30	DNM=79-140	8L=28 E93	1372	DS 15C
3	01882	001480	03 FILLER	PIC 9(10)	COMP-3	VALUE	0202100000.	DNM=79-154	8L=28 E42	1387	DS 6P
4	01883	001490	03 FILLER	PIC 9(15)	COMP-3	VALUE	'10	DNM=79-168	8L=28 E48	1393	DS 15C
5	01884	001500	03 FILLER	PIC 9(10)	COMP-3	VALUE	0202110000.	DNM=79-182	8L=28 E87	1408	DS 6P
6	01885	001510	03 FILLER	PIC 9(15)	COMP-3	VALUE	'8	DNM=79-196	8L=28 E80	1414	DS 15C
7	01886	001520	03 FILLER	PIC 9(10)	COMP-3	VALUE	0202120000.	DNM=79-210	8L=28 E8C	1429	DS 6P
8	01887	001530	03 FILLER	PIC 9(15)	COMP-3	VALUE	'9	DNM=79-224	8L=28 E82	1435	DS 15C
9	01888	001540	03 FILLER	PIC 9(10)	COMP-3	VALUE	0202140000.	DNM=79-238	8L=28 E81	1450	DS 6P
10	01889	001550	03 FILLER	PIC 9(15)	COMP-3	VALUE	'6 C6 24	DNM=79-252	8L=28 E87	1456	DS 15C
11	01890	001560	03 FILLER	PIC 9(10)	COMP-3	VALUE	'19 20	DNM=79-266	8L=28 E86	1471	DS 6P
12	01891	001570	03 FILLER	PIC 9(15)	COMP-3	VALUE	'26 25 8F2	DNM=79-280	8L=28 E8C	1477	DS 15C
13	01892	001580	03 FILLER	PIC 9(10)	COMP-3	VALUE	0203000000.	DNM=79-294	8L=28 F08	1492	DS 6P
14	01893	001590	03 FILLER	PIC 9(15)	COMP-3	VALUE	'26 25 8F2	DNM=79-308	8L=28 F11	1498	DS 15C
15	01894	001600	03 FILLER	PIC 9(10)	COMP-3	VALUE	0203010000.	DNM=79-322	8L=28 F20	1513	DS 6P
16	01895	001610	03 FILLER	PIC 9(15)	COMP-3	VALUE	'14	DNM=79-336	8L=28 F26	1519	DS 15C
17	01896	001620	03 FILLER	PIC 9(10)	COMP-3	VALUE	0203020000.	DNM=79-350	8L=28 F35	1534	DS 6P
18	01897	001630	03 FILLER	PIC 9(15)	COMP-3	VALUE	'15	DNM=79-364	8L=28 F38	1540	DS 15C
19	01898	001640	03 FILLER	PIC 9(10)	COMP-3	VALUE	0204000000.	DNM=79-378	8L=28 F44	1555	DS 6P
20	01899	001650	03 FILLER	PIC 9(15)	COMP-3	VALUE	'275 29 325	DNM=79-392	8L=28 F50	1561	DS 15C
21	01900	001660	03 FILLER	PIC 9(10)	COMP-3	VALUE	0204010000.	DNM=79-406	8L=28 F5F	1576	DS 6P
22	01901	001670	03 FILLER	PIC 9(15)	COMP-3	VALUE	'31 2 30	DNM=79-420	8L=28 F65	1582	DS 15C
23	01902	001680	03 FILLER	PIC 9(10)	COMP-3	VALUE	0204020000.	DNM=79-434	8L=28 F74	1597	DS 6P
24	01903	001690	03 FILLER	PIC 9(15)	COMP-3	VALUE	'5 A1	DNM=79-448	8L=28 F7A	1603	DS 15C
25	01904	001700	03 FILLER	PIC 9(10)	COMP-3	VALUE	0204030000.	DNM=79-462	8L=28 F89	1618	DS 6P
26	01905	001710	03 FILLER	PIC 9(15)	COMP-3	VALUE	'4 A4 A6	DNM=79-476	8L=28 F8F	1624	DS 15C
27	01906	001720	03 FILLER	PIC 9(10)	COMP-3	VALUE	0205000000.	DNM=79-490	8L=28 F9E	1639	DS 6P
28	01907	001730	03 FILLER	PIC 9(15)	COMP-3	VALUE	'335 34S 35	DNM=80-000	8L=28 F44	1645	DS 15C
29	01908	001740	03 FILLER	PIC 9(10)	COMP-3	VALUE	0205010000.	DNM=80-014	8L=28 F83	1660	DS 6P
30	01909	001750	03 FILLER	PIC 9(15)	COMP-3	VALUE	'12	DNM=80-028	8L=28 F89	1666	DS 15C
31	01910	001760	03 FILLER	PIC 9(10)	COMP-3	VALUE	0205030000.	DNM=80-042	8L=28 F88	1681	DS 6P
32	01911	001770	03 FILLER	PIC 9(15)	COMP-3	VALUE	'2 16 18	DNM=80-056	8L=28 F8D	1687	DS 15C
33	01912	001780	03 FILLER	PIC 9(10)	COMP-3	VALUE	0205040000.	DNM=80-070	8L=28 F8D	1702	DS 6P
34	01913	001790	03 FILLER	PIC 9(15)	COMP-3	VALUE	'4 7 9	DNM=80-084	8L=28 F83	1708	DS 15C
35	01914	001800	03 FILLER	PIC 9(10)	COMP-3	VALUE	0205050000.	DNM=80-098	8L=28 F82	1723	DS 6P
36	01915	001810	03 FILLER	PIC 9(15)	COMP-3	VALUE	'1 6 23	DNM=80-112	8L=28 F8F	1729	DS 15C
37	01916	001820	03 FILLER	PIC 9(10)	COMP-3	VALUE	0205060000.	DNM=80-126	8L=29 007	1744	DS 6P
38	01917	001830	03 FILLER	PIC 9(15)	COMP-3	VALUE	'10 11 17	DNM=80-140	8L=29 000	1750	DS 15C
39	01918	001840	03 FILLER	PIC 9(10)	COMP-3	VALUE	0205070000.	DNM=80-154	8L=29 01C	1755	DS 6P
40	01919	001850	03 FILLER	PIC 9(15)	COMP-3	VALUE	'21	DNM=80-169	8L=29 022	1771	DS 15C
41	01920	001860	03 FILLER	PIC 9(10)	COMP-3	VALUE	0205080000.	DNM=80-182	8L=29 031	1786	DS 6P
42	01921	001870	03 FILLER	PIC 9(15)	COMP-3	VALUE	'22	DNM=80-196	8L=29 037	1792	DS 15C
43	01922	001880	03 FILLER	PIC 9(10)	COMP-3	VALUE	0206000000.	DNM=80-210	8L=29 046	1807	DS 6P
44	01923	001890	03 FILLER	PIC 9(15)	COMP-3	VALUE	'395 41 40	DNM=80-224	8L=29 04C	1813	DS 15C
45	01924	001900	03 FILLER	PIC 9(10)	COMP-3	VALUE	0206010000.	DNM=80-238	8L=29 058	1828	DS 6P
46	01925	001910	03 FILLER	PIC 9(15)	COMP-3	VALUE	'4 45 44	DNM=80-252	8L=29 061	1834	DS 15C
47	01926	001920	03 FILLER	PIC 9(10)	COMP-3	VALUE	0206020000.	DNM=80-266	8L=29 070	1849	DS 6P
48	01927	001930	03 FILLER	PIC 9(15)	COMP-3	VALUE	'2 6 8	DNM=80-280	8L=29 076	1855	DS 15C
49	01928	001940	03 FILLER	PIC 9(10)	COMP-3	VALUE	0206030000.	DNM=80-294	8L=29 085	1870	DS 6P
50	01929	001950	03 FILLER	PIC 9(15)	COMP-3	VALUE	'3 5 7	DNM=80-308	8L=29 088	1876	DS 15C
51	01930	001960	03 FILLER	PIC 9(10)	COMP-3	VALUE	0206040000.	DNM=80-322	8L=29 09A	1891	DS 6P
52	01931	001970	03 FILLER	PIC 9(15)	COMP-3	VALUE	'1 42 11	DNM=80-336	8L=29 0A0	1897	DS 15C
53	01932	001980	03 FILLER	PIC 9(10)	COMP-3	VALUE	0207000000.	DNM=80-350	8L=29 0AF	1912	DS 6P
54	01933	001990	03 FILLER	PIC 9(15)	COMP-3	VALUE	'49 50 29	DNM=80-364	8L=29 0B5	1918	DS 15C

43	NM100	10.43.12	APR 3, 1984	INT NAME	BASE	DISP	RLOI	DEFINITION				
01934	002000	03-FILLER	PIC 9(10)	COMP-3	VALUE	0207010000.		DNM=80-378	BL=29	OC4	1933	DS 6P
01935	002010	03 FILLER	PIC X(15)		VALUE	1 4 5		DNM=80-382	BL=29	OCA	1939	DS 15C
01936	002020	03 FILLER	PIC 9(10)	COMP-3	VALUE	0207020000.		DNM=80-406	BL=29	OD9	1954	DS 6P
01937	002030	03 FILLER	PIC X(15)		VALUE	2 3 6		DNM=80-420	BL=29	ODF	1960	DS 15C
01938	002040	03 FILLER	PIC 9(10)	COMP-3	VALUE	0207030000.		DNM=80-434	BL=29	OEE	1975	DS 6P
01939	002050	03 FILLER	PIC X(15)		VALUE	7		DNM=80-448	BL=29	OF4	1981	DS 15C
01940	002060	03 FILLER	PIC 9(10)	COMP-3	VALUE	0209000100.		DNM=80-462	BL=29	103	1996	DS 6P
01941	002070	03 FILLER	PIC X(15)		VALUE	465 54 12		DNM=80-476	BL=29	109	2002	DS 15C
01942	002080	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208000200.		DNM=80-490	BL=29	118	2017	DS 6P
01943	002090	03 FILLER	PIC X(15)		VALUE	475 07031NA04		DNM=81-000	BL=29	11E	2023	DS 15C
01944	002100	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208000300.		DNM=81-014	BL=29	120	2038	DS 6P
01945	002110	03 FILLER	PIC X(15)		VALUE	19 56 57		DNM=81-028	BL=29	133	2044	DS 15C
01946	002120	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208000400.		DNM=81-042	BL=29	142	2059	DS 6P
01947	002130	03 FILLER	PIC X(15)		VALUE	192 CR18 CR19		DNM=81-056	BL=29	148	2065	DS 15C
01948	002140	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208000500.		DNM=81-070	BL=29	157	2080	DS 6P
01949	002150	03 FILLER	PIC X(15)		VALUE	485 66 NA36		DNM=81-084	BL=29	150	2086	DS 15C
01950	002160	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208000600.		DNM=81-098	BL=29	162	2101	DS 6P
01951	002170	03 FILLER	PIC X(15)		VALUE	70 CR25 CR26		DNM=81-112	BL=29	172	2107	DS 15C
01952	002180	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208010000.		DNM=81-126	BL=29	181	2122	DS 6P
01953	002190	03 FILLER	PIC X(15)		VALUE	1 16 55		DNM=81-140	BL=29	187	2128	DS 15C
01954	002200	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208020000.		DNM=81-154	BL=29	196	2143	DS 6P
01955	002210	03 FILLER	PIC X(15)		VALUE	2		DNM=81-168	BL=29	19C	2149	DS 15C
01956	002220	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208040000.		DNM=81-182	BL=29	1AB	2164	DS 6P
01957	002230	03 FILLER	PIC X(15)		VALUE	13 3 W1		DNM=81-196	BL=29	1A0	2170	DS 15C
01958	002240	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208040100.		DNM=81-210	BL=29	1C0	2185	DS 6P
01959	002250	03 FILLER	PIC X(15)		VALUE	8 11		DNM=81-224	BL=29	1C6	2191	DS 15C
01960	002260	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208050000.		DNM=81-238	BL=29	1D8	2206	DS 6P
01961	002270	03 FILLER	PIC X(15)		VALUE	5 9 4		DNM=81-252	BL=29	1D5	2212	DS 15C
01962	002280	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208060000.		DNM=81-266	BL=29	1EA	2227	DS 6P
01963	002290	03 FILLER	PIC X(15)		VALUE	22 53 61		DNM=81-280	BL=29	1F0	2233	DS 15C
01964	002300	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208060100.		DNM=81-294	BL=29	1F2	2248	DS 6P
01965	002310	03 FILLER	PIC X(15)		VALUE	7		DNM=81-308	BL=29	205	2254	DS 15C
01966	002320	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208060200.		DNM=81-322	BL=29	214	2269	DS 6P
01967	002330	03 FILLER	PIC X(15)		VALUE	11		DNM=81-336	BL=29	21A	2275	DS 15C
01968	002340	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208080000.		DNM=81-350	BL=29	229	2290	DS 6P
01969	002350	03 FILLER	PIC X(15)		VALUE	23 M1		DNM=81-364	BL=29	22F	2296	DS 15C
01970	002360	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208100000.		DNM=81-378	BL=29	23E	2311	DS 6P
01971	002370	03 FILLER	PIC X(15)		VALUE	24		DNM=81-392	BL=29	244	2317	DS 15C
01972	002380	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208100100.		DNM=81-406	BL=29	253	2332	DS 6P
01973	002390	03 FILLER	PIC X(15)		VALUE	12		DNM=81-420	BL=29	259	2338	DS 15C
01974	002400	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208120000.		DNM=81-434	BL=29	268	2353	DS 6P
01975	002410	03 FILLER	PIC X(15)		VALUE	N1 N2 N3		DNM=81-448	BL=29	26E	2359	DS 15C
01976	002420	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208140000.		DNM=81-462	BL=29	270	2374	DS 6P
01977	002430	03 FILLER	PIC X(15)		VALUE	19 20 62		DNM=81-476	BL=29	283	2380	DS 15C
01978	002440	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208140100.		DNM=81-490	BL=29	292	2395	DS 6P
01979	002450	03 FILLER	PIC X(15)		VALUE	6 17 64		DNM=82-000	BL=29	298	2401	DS 15C
01980	002460	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208140200.		DNM=82-014	BL=29	247	2416	DS 6P
01981	002470	03 FILLER	PIC X(15)		VALUE	18		DNM=82-028	BL=29	24D	2422	DS 15C
01982	002480	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208190900.		DNM=82-042	BL=29	28C	2437	DS 6P
01983	002490	03 FILLER	PIC X(15)		VALUE	685 68 3		DNM=82-056	BL=29	2C2	2443	DS 15C
01984	002500	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208190100.		DNM=82-070	BL=29	2D1	2458	DS 6P
01985	002510	03 FILLER	PIC X(15)		VALUE	1 11 13		DNM=82-084	BL=29	2D7	2464	DS 15C
01986	002520	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208190101.		DNM=82-098	BL=29	2E6	2479	DS 6P
01987	002530	03 FILLER	PIC X(15)		VALUE	12		DNM=82-112	BL=29	2EC	2485	DS 15C

44	NW100	10.43.12	APR 3.1984	INT NAME	BASE	DISP	RL01	DEFINITION
01988	002540	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208190102	BL=29 2FB	2500 DS 6P
01989	002550	03 FILLER	PIC 9(15)	COMP-3	VALUE	14	BL=29 301	2506 DS 15C
01990	002560	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208190103	BL=29 310	2521 DS 6P
01991	002570	03 FILLER	PIC 9(15)	COMP-3	VALUE	15	BL=29 316	2527 DS 15C
01992	002580	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208190200	BL=29 325	2542 DS 6P
01993	002590	03 FILLER	PIC 9(15)	COMP-3	VALUE	6 7 8	BL=29 329	2548 DS 15C
01994	002600	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208190201	BL=29 33A	2563 DS 6P
01995	002610	03 FILLER	PIC 9(15)	COMP-3	VALUE	10	BL=29 340	2569 DS 15C
01996	002620	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208190300	BL=29 34F	2584 DS 6P
01997	002630	03 FILLER	PIC 9(15)	COMP-3	VALUE	12	BL=29 355	2590 DS 15C
01998	002640	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208200000	BL=29 36A	2605 DS 6P
01999	002650	03 FILLER	PIC 9(15)	COMP-3	VALUE	5 52 53	BL=29 36A	2611 DS 15C
02000	002660	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208200100	BL=29 37F	2626 DS 6P
02001	002670	03 FILLER	PIC 9(15)	COMP-3	VALUE	14	BL=29 37F	2632 DS 15C
02002	002680	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208200200	BL=29 38E	2647 DS 6P
02003	002690	03 FILLER	PIC 9(15)	COMP-3	VALUE	15	BL=29 39A	2653 DS 15C
02004	002700	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208210000	BL=29 3A3	2668 DS 6P
02005	002710	03 FILLER	PIC 9(15)	COMP-3	VALUE	10	BL=29 3A9	2674 DS 15C
02006	002720	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208220000	BL=29 38A	2689 DS 6P
02007	002730	03 FILLER	PIC 9(15)	COMP-3	VALUE	21	BL=29 38E	2695 DS 15C
02008	002740	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208230000	BL=29 3C0	2710 DS 6P
02009	002750	03 FILLER	PIC 9(15)	COMP-3	VALUE	01 02 03	BL=29 3D3	2716 DS 15C
02010	002760	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208240000	BL=29 3E2	2731 DS 6P
02011	002770	03 FILLER	PIC 9(15)	COMP-3	VALUE	01 P2 P3	BL=29 3E8	2737 DS 15C
02012	002780	03 FILLER	PIC 9(10)	COMP-3	VALUE	0208250000	BL=29 3F7	2752 DS 6P
02013	002790	03 FILLER	PIC 9(15)	COMP-3	VALUE	19	BL=29 3FD	2758 DS 15C
02014	002800	03 FILLER	PIC 9(10)	COMP-3	VALUE	0209000000	BL=29 40C	2773 DS 6P
02015	002810	03 FILLER	PIC 9(15)	COMP-3	VALUE	1285 AS21 AS23A	BL=29 412	2779 DS 15C
02016	002820	03 FILLER	PIC 9(10)	COMP-3	VALUE	0209010000	BL=29 421	2794 DS 6P
02017	002830	03 FILLER	PIC 9(15)	COMP-3	VALUE	72 74 4	BL=29 427	2800 DS 15C
02018	002840	03 FILLER	PIC 9(10)	COMP-3	VALUE	0209010100	BL=29 436	2815 DS 6P
02019	002850	03 FILLER	PIC 9(15)	COMP-3	VALUE	0209010200	BL=29 43C	2821 DS 15C
02020	002860	03 FILLER	PIC 9(10)	COMP-3	VALUE	0209010300	BL=29 448	2836 DS 6P
02021	002870	03 FILLER	PIC 9(15)	COMP-3	VALUE	0209010400	BL=29 451	2842 DS 15C
02022	002880	03 FILLER	PIC 9(10)	COMP-3	VALUE	0209010500	BL=29 460	2857 DS 6P
02023	002890	03 FILLER	PIC 9(15)	COMP-3	VALUE	0209010600	BL=29 466	2863 DS 15C
02024	002900	03 FILLER	PIC 9(10)	COMP-3	VALUE	0209010700	BL=29 475	2878 DS 6P
02025	002910	03 FILLER	PIC 9(15)	COMP-3	VALUE	1A	BL=29 47B	2884 DS 15C
02026	002920	03 FILLER	PIC 9(10)	COMP-3	VALUE	0209010800	BL=29 48A	2899 DS 6P
02027	002930	03 FILLER	PIC 9(15)	COMP-3	VALUE	3A	BL=29 490	2905 DS 15C
02028	002940	03 FILLER	PIC 9(10)	COMP-3	VALUE	0209010900	BL=29 49F	2920 DS 6P
02029	002950	03 FILLER	PIC 9(15)	COMP-3	VALUE	5 12	BL=29 4A5	2926 DS 15C
02030	002960	03 FILLER	PIC 9(10)	COMP-3	VALUE	0209011000	BL=29 484	2941 DS 6P
02031	002970	03 FILLER	PIC 9(15)	COMP-3	VALUE	6	BL=29 48A	2947 DS 15C
02032	002980	03 FILLER	PIC 9(10)	COMP-3	VALUE	0209011100	BL=29 4C9	2962 DS 6P
02033	002990	03 FILLER	PIC 9(15)	COMP-3	VALUE	8	BL=29 4CF	2968 DS 15C
02034	003000	03 FILLER	PIC 9(10)	COMP-3	VALUE	0209011200	BL=29 4E4	2983 DS 6P
02035	003010	03 FILLER	PIC 9(15)	COMP-3	VALUE	7	BL=29 4F3	2989 DS 15C
02036	003020	03 FILLER	PIC 9(10)	COMP-3	VALUE	0209011300	BL=29 4F9	3010 DS 6P
02037	003030	03 FILLER	PIC 9(15)	COMP-3	VALUE	77 MR2	BL=29 508	3025 DS 15C
02038	003040	03 FILLER	PIC 9(10)	COMP-3	VALUE	0209011400	BL=29 50E	3031 DS 6P
02039	003050	03 FILLER	PIC 9(15)	COMP-3	VALUE	51	BL=29 51D	3046 DS 15C
02040	003060	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210000100	BL=29 523	3052 DS 6P
02041	003070	03 FILLER	PIC 9(15)	COMP-3	VALUE	76 78 RR1		

45	NW100	10-43.12	APR 3.1984	INT NAME	BASE	DISP	RL01	DEFINITION
02042	003080	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210000200.		
02043	003090	03 FILLER	PIC X(15)		VALUE	'79 81 82		
02044	003100	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210000300.		
02045	003110	03 FILLER	PIC X(15)		VALUE	'83 40 RR23		
02046	003120	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210000400.		
02047	003130	03 FILLER	PIC X(15)		VALUE	'RR27 RR28 RR29		
02048	003140	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210000500.		
02049	003150	03 FILLER	PIC X(15)		VALUE	'RR20 RR18 RR19		
02050	003160	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210010000.		
02051	003170	03 FILLER	PIC X(15)		VALUE	'76 CC1 CC2		
02052	003180	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210020000.		
02053	003190	03 FILLER	PIC X(15)		VALUE	'1 31 33		
02054	003200	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210030000.		
02055	003210	03 FILLER	PIC X(15)		VALUE	'2 34 6		
02056	003220	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210040000.		
02057	003230	03 FILLER	PIC X(15)		VALUE	'27		
02058	003240	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210050000.		
02059	003250	03 FILLER	PIC X(15)		VALUE	'RR5 RR6 RR7		
02060	003260	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210050100.		
02061	003270	03 FILLER	PIC X(15)		VALUE	'28 80		
02062	003280	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210070000.		
02063	003290	03 FILLER	PIC X(15)		VALUE	'76 1 2		
02064	003300	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210080000.		
02065	003310	03 FILLER	PIC X(15)		VALUE	'RR12 RR13 RR11		
02066	003320	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210080100.		
02067	003330	03 FILLER	PIC X(15)		VALUE	'7		
02068	003340	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210100000.		
02069	003350	03 FILLER	PIC X(15)		VALUE	'3 90		
02070	003360	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210110100.		
02071	003370	03 FILLER	PIC X(15)		VALUE	'32 1		
02072	003380	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210110200.		
02073	003390	03 FILLER	PIC X(15)		VALUE	'22		
02074	003400	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210120000.		
02075	003410	03 FILLER	PIC X(15)		VALUE	'21 44 45		
02076	003420	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210150000.		
02077	003430	03 FILLER	PIC X(15)		VALUE	'29 11		
02078	003440	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210160000.		
02079	003450	03 FILLER	PIC X(15)		VALUE	'30		
02080	003460	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210170000.		
02081	003470	03 FILLER	PIC X(15)		VALUE	'9		
02082	003480	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210180000.		
02083	003490	03 FILLER	PIC X(15)		VALUE	'10		
02084	003500	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210190000.		
02085	003510	03 FILLER	PIC X(15)		VALUE	'12		
02086	003520	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210200000.		
02087	003530	03 FILLER	PIC X(15)		VALUE	'14		
02088	003540	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210210000.		
02089	003550	03 FILLER	PIC X(15)		VALUE	'15		
02090	003560	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210220000.		
02091	003570	03 FILLER	PIC X(15)		VALUE	'16		
02092	003580	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210230000.		
02093	003590	03 FILLER	PIC X(15)		VALUE	'17		
02094	003600	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210240000.		
02095	003610	03 FILLER	PIC X(15)		VALUE	'18		
02096	003620	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210250000.		
02097	003630	03 FILLER	PIC X(15)		VALUE	'19		
02098	003640	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210260000.		
02099	003650	03 FILLER	PIC X(15)		VALUE	'20		
02100	003660	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210270000.		
02101	003670	03 FILLER	PIC X(15)		VALUE	'21		
02102	003680	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210280000.		
02103	003690	03 FILLER	PIC X(15)		VALUE	'22		
02104	003700	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210290000.		
02105	003710	03 FILLER	PIC X(15)		VALUE	'23		
02106	003720	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210300000.		
02107	003730	03 FILLER	PIC X(15)		VALUE	'24		
02108	003740	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210310000.		
02109	003750	03 FILLER	PIC X(15)		VALUE	'25		
02110	003760	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210320000.		
02111	003770	03 FILLER	PIC X(15)		VALUE	'26		
02112	003780	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210330000.		
02113	003790	03 FILLER	PIC X(15)		VALUE	'27		
02114	003800	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210340000.		
02115	003810	03 FILLER	PIC X(15)		VALUE	'28		
02116	003820	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210350000.		
02117	003830	03 FILLER	PIC X(15)		VALUE	'29		
02118	003840	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210360000.		
02119	003850	03 FILLER	PIC X(15)		VALUE	'30		
02120	003860	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210370000.		
02121	003870	03 FILLER	PIC X(15)		VALUE	'31		
02122	003880	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210380000.		
02123	003890	03 FILLER	PIC X(15)		VALUE	'32		
02124	003900	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210390000.		
02125	003910	03 FILLER	PIC X(15)		VALUE	'33		
02126	003920	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210400000.		
02127	003930	03 FILLER	PIC X(15)		VALUE	'34		
02128	003940	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210410000.		
02129	003950	03 FILLER	PIC X(15)		VALUE	'35		
02130	003960	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210420000.		
02131	003970	03 FILLER	PIC X(15)		VALUE	'36		
02132	003980	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210430000.		
02133	003990	03 FILLER	PIC X(15)		VALUE	'37		
02134	004000	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210440000.		
02135	004010	03 FILLER	PIC X(15)		VALUE	'38		
02136	004020	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210450000.		
02137	004030	03 FILLER	PIC X(15)		VALUE	'39		
02138	004040	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210460000.		
02139	004050	03 FILLER	PIC X(15)		VALUE	'40		
02140	004060	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210470000.		
02141	004070	03 FILLER	PIC X(15)		VALUE	'41		
02142	004080	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210480000.		
02143	004090	03 FILLER	PIC X(15)		VALUE	'42		
02144	004100	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210490000.		
02145	004110	03 FILLER	PIC X(15)		VALUE	'43		
02146	004120	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210500000.		
02147	004130	03 FILLER	PIC X(15)		VALUE	'44		
02148	004140	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210510000.		
02149	004150	03 FILLER	PIC X(15)		VALUE	'45		
02150	004160	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210520000.		
02151	004170	03 FILLER	PIC X(15)		VALUE	'46		
02152	004180	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210530000.		
02153	004190	03 FILLER	PIC X(15)		VALUE	'47		
02154	004200	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210540000.		
02155	004210	03 FILLER	PIC X(15)		VALUE	'48		
02156	004220	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210550000.		
02157	004230	03 FILLER	PIC X(15)		VALUE	'49		
02158	004240	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210560000.		
02159	004250	03 FILLER	PIC X(15)		VALUE	'50		
02160	004260	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210570000.		
02161	004270	03 FILLER	PIC X(15)		VALUE	'51		
02162	004280	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210580000.		
02163	004290	03 FILLER	PIC X(15)		VALUE	'52		
02164	004300	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210590000.		
02165	004310	03 FILLER	PIC X(15)		VALUE	'53		
02166	004320	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210600000.		
02167	004330	03 FILLER	PIC X(15)		VALUE	'54		
02168	004340	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210610000.		
02169	004350	03 FILLER	PIC X(15)		VALUE	'55		
02170	004360	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210620000.		
02171	004370	03 FILLER	PIC X(15)		VALUE	'56		
02172	004380	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210630000.		
02173	004390	03 FILLER	PIC X(15)		VALUE	'57		
02174	004400	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210640000.		
02175	004410	03 FILLER	PIC X(15)		VALUE	'58		
02176	004420	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210650000.		
02177	004430	03 FILLER	PIC X(15)		VALUE	'59		
02178	004440	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210660000.		
02179	004450	03 FILLER	PIC X(15)		VALUE	'60		
02180	004460	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210670000.		
02181	004470	03 FILLER	PIC X(15)		VALUE	'61		
02182	004480	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210680000.		
02183	004490	03 FILLER	PIC X(15)		VALUE	'62		
02184	004500	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210690000.		
02185	004510	03 FILLER	PIC X(15)		VALUE	'63		
02186	004520	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210700000.		
02187	004530	03 FILLER	PIC X(15)		VALUE	'64		
02188	004540	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210710000.		
02189	004550	03 FILLER	PIC X(15)		VALUE	'65		
02190	004560	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210720000.		
02191	004570	03 FILLER	PIC X(15)		VALUE	'66		
02192	004580	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210730000.		
02193	004590	03 FILLER	PIC X(15)		VALUE	'67		
02194	004600	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210740000.		
02195	004610	03 FILLER	PIC X(15)		VALUE	'68		
02196	004620	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210750000.		
02197	004630	03 FILLER	PIC X(15)		VALUE	'69		
02198	004640	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210760000.		
02199	004650	03						

46	N4100	10.4.3.12	APR 3, 1984	INT NAME	BASE	DISP	RL01	DEFINITION
02096	003620	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210250000.		DNM=85-126
02097	003630	03 FILLER	PIC X(15)	COMP-3	VALUE	'19		DNM=85-140
02098	003640	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210260000.		DNM=85-154
02099	003650	03 FILLER	PIC X(15)	COMP-3	VALUE	'8		DNM=85-168
02100	003660	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210270000.		DNM=85-182
02101	003670	03 FILLER	PIC X(15)	COMP-3	VALUE	'13		DNM=85-196
02102	003680	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210280000.		DNM=85-210
02103	003690	03 FILLER	PIC X(15)	COMP-3	VALUE	'54 502 503		DNM=85-224
02104	003700	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210290000.		DNM=85-238
02105	003710	03 FILLER	PIC X(15)	COMP-3	VALUE	'41		DNM=85-252
02106	003720	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210300000.		DNM=85-266
02107	003730	03 FILLER	PIC X(15)	COMP-3	VALUE	'M3		DNM=85-280
02108	003740	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210310000.		DNM=85-294
02109	003750	03 FILLER	PIC X(15)	COMP-3	VALUE	'42 501 25		DNM=85-308
02110	003760	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210320000.		DNM=85-322
02111	003770	03 FILLER	PIC X(15)	COMP-3	VALUE	'855 10 J4		DNM=85-336
02112	003780	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210330000.		DNM=85-350
02113	003790	03 FILLER	PIC X(15)	COMP-3	VALUE	'84 86 87		DNM=85-364
02114	003800	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210340000.		DNM=85-378
02115	003810	03 FILLER	PIC X(15)	COMP-3	VALUE	'2 406		DNM=85-392
02116	003820	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210350000.		DNM=85-406
02117	003830	03 FILLER	PIC X(15)	COMP-3	VALUE	'11 23 402		DNM=85-420
02118	003840	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210360000.		DNM=85-434
02119	003850	03 FILLER	PIC X(15)	COMP-3	VALUE	'7 17		DNM=85-448
02120	003860	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210370000.		DNM=85-462
02121	003870	03 FILLER	PIC X(15)	COMP-3	VALUE	'6 31 34		DNM=85-476
02122	003880	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210380000.		DNM=85-490
02123	003890	03 FILLER	PIC X(15)	COMP-3	VALUE	'37		DNM=85-504
02124	003900	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210390000.		DNM=85-518
02125	003910	03 FILLER	PIC X(15)	COMP-3	VALUE	'6501 6502 7601		DNM=85-532
02126	003920	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210400000.		DNM=85-546
02127	003930	03 FILLER	PIC X(15)	COMP-3	VALUE	'33		DNM=85-560
02128	003940	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210410000.		DNM=85-574
02129	003950	03 FILLER	PIC X(15)	COMP-3	VALUE	'407		DNM=85-588
02130	003960	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210420000.		DNM=85-602
02131	003970	03 FILLER	PIC X(15)	COMP-3	VALUE	'32		DNM=85-616
02132	003980	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210430000.		DNM=85-630
02133	003990	03 FILLER	PIC X(15)	COMP-3	VALUE	'8 36		DNM=85-644
02134	004000	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210440000.		DNM=85-658
02135	004010	03 FILLER	PIC X(15)	COMP-3	VALUE	'22		DNM=85-672
02136	004020	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210450000.		DNM=85-686
02137	004030	03 FILLER	PIC X(15)	COMP-3	VALUE	'12		DNM=85-700
02138	004040	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210460000.		DNM=85-714
02139	004050	03 FILLER	PIC X(15)	COMP-3	VALUE	'3 405		DNM=85-728
02140	004060	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210470000.		DNM=85-742
02141	004070	03 FILLER	PIC X(15)	COMP-3	VALUE	'29 15		DNM=85-756
02142	004080	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210480000.		DNM=85-770
02143	004090	03 FILLER	PIC X(15)	COMP-3	VALUE	'28		DNM=85-784
02144	004100	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210490000.		DNM=85-798
02145	004110	03 FILLER	PIC X(15)	COMP-3	VALUE	'3 AR5 AR8		DNM=85-812
02146	004120	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210500000.		DNM=85-826
02147	004130	03 FILLER	PIC X(15)	COMP-3	VALUE	'92 2 AR14		DNM=85-840
02148	004140	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210510000.		DNM=85-854
02149	004150	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-868
02150	004160	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210520000.		DNM=85-882
02151	004170	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-896
02152	004180	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210530000.		DNM=85-910
02153	004190	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-924
02154	004200	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210540000.		DNM=85-938
02155	004210	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-952
02156	004220	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210550000.		DNM=85-966
02157	004230	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-980
02158	004240	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210560000.		DNM=85-994
02159	004250	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1008
02160	004260	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210570000.		DNM=85-1022
02161	004270	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1036
02162	004280	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210580000.		DNM=85-1050
02163	004290	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1064
02164	004300	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210590000.		DNM=85-1078
02165	004310	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1092
02166	004320	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210600000.		DNM=85-1106
02167	004330	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1120
02168	004340	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210610000.		DNM=85-1134
02169	004350	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1148
02170	004360	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210620000.		DNM=85-1162
02171	004370	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1176
02172	004380	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210630000.		DNM=85-1190
02173	004390	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1204
02174	004400	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210640000.		DNM=85-1218
02175	004410	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1232
02176	004420	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210650000.		DNM=85-1246
02177	004430	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1260
02178	004440	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210660000.		DNM=85-1274
02179	004450	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1288
02180	004460	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210670000.		DNM=85-1302
02181	004470	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1316
02182	004480	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210680000.		DNM=85-1330
02183	004490	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1344
02184	004500	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210690000.		DNM=85-1358
02185	004510	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1372
02186	004520	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210700000.		DNM=85-1386
02187	004530	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1400
02188	004540	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210710000.		DNM=85-1414
02189	004550	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1428
02190	004560	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210720000.		DNM=85-1442
02191	004570	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1456
02192	004580	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210730000.		DNM=85-1470
02193	004590	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1484
02194	004600	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210740000.		DNM=85-1498
02195	004610	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1512
02196	004620	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210750000.		DNM=85-1526
02197	004630	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1540
02198	004640	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210760000.		DNM=85-1554
02199	004650	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1568
02200	004660	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210770000.		DNM=85-1582
02201	004670	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1596
02202	004680	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210780000.		DNM=85-1610
02203	004690	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1624
02204	004700	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210790000.		DNM=85-1638
02205	004710	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1652
02206	004720	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210800000.		DNM=85-1666
02207	004730	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1680
02208	004740	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210810000.		DNM=85-1694
02209	004750	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1708
02210	004760	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210820000.		DNM=85-1722
02211	004770	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1736
02212	004780	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210830000.		DNM=85-1750
02213	004790	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1764
02214	004800	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210840000.		DNM=85-1778
02215	004810	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1792
02216	004820	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210850000.		DNM=85-1806
02217	004830	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1820
02218	004840	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210860000.		DNM=85-1834
02219	004850	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1848
02220	004860	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210870000.		DNM=85-1862
02221	004870	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1876
02222	004880	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210880000.		DNM=85-1890
02223	004890	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1904
02224	004900	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210890000.		DNM=85-1918
02225	004910	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1932
02226	004920	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210900000.		DNM=85-1946
02227	004930	03 FILLER	PIC X(15)	COMP-3	VALUE	'94 H7 AR17		DNM=85-1960
02228	004940	03 FILLER	PIC 9(10)	COMP-3	VALUE	0210910000.		DNM=85-1974
02229	0049							

47	NW100	10-43-12	APR 3,1984		INT NAME	BASE	DISP	RL01	DEFINITION
02150	004160	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214000400			
02151	004170	03-FILLER	PIC X(15)		VALUE	'95 AR19			
02152	004180	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214000500			
02153	004190	03-FILLER	PIC X(15)		VALUE	'97 AR13 3E5			
02154	004200	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214000600			
02155	004210	03-FILLER	PIC X(15)		VALUE	'AR11 AR12			
02156	004220	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214000700			
02157	004230	03-FILLER	PIC X(15)		VALUE	'99 100 3E6			
02158	004240	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214000800			
02159	004250	03-FILLER	PIC X(15)		VALUE	'11 12 13			
02160	004260	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214000900			
02161	004270	03-FILLER	PIC X(15)		VALUE	'14 15 16			
02162	004280	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214001000			
02163	004290	03-FILLER	PIC X(15)		VALUE	'4E1			
02164	004300	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214010000			
02165	004310	03-FILLER	PIC X(15)		VALUE	'89 1 90			
02166	004320	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214020000			
02167	004330	03-FILLER	PIC X(15)		VALUE	'5 91 AR1			
02168	004340	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214030000			
02169	004350	03-FILLER	PIC X(15)		VALUE	'H5			
02170	004360	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214030100			
02171	004370	03-FILLER	PIC X(15)		VALUE	'6 H1 H2			
02172	004380	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214040000			
02173	004390	03-FILLER	PIC X(15)		VALUE	'4 93 AR15			
02174	004400	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214050000			
02175	004410	03-FILLER	PIC X(15)		VALUE	'3 101 E1			
02176	004420	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214050100			
02177	004430	03-FILLER	PIC X(15)		VALUE	'E2			
02178	004440	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214050200			
02179	004450	03-FILLER	PIC X(15)		VALUE	'E4			
02180	004460	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214050300			
02181	004470	03-FILLER	PIC X(15)		VALUE	'103 206 16			
02182	004480	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214050400			
02183	004490	03-FILLER	PIC X(15)		VALUE	'205			
02184	004500	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214050500			
02185	004510	03-FILLER	PIC X(15)		VALUE	'22			
02186	004520	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214050600			
02187	004530	03-FILLER	PIC X(15)		VALUE	'102			
02188	004540	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214060000			
02189	004550	03-FILLER	PIC X(15)		VALUE	'2 2A -88S			
02190	004560	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214070000			
02191	004570	03-FILLER	PIC X(15)		VALUE	'7 98 2E1			
02192	004580	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214080000			
02193	004590	03-FILLER	PIC X(15)		VALUE	'8 3E4 3E3			
02194	004600	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214090000			
02195	004610	03-FILLER	PIC X(15)		VALUE	'11			
02196	004620	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214110000			
02197	004630	03-FILLER	PIC X(15)		VALUE	'4E2			
02198	004640	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214110100			
02199	004650	03-FILLER	PIC X(15)		VALUE	'4E3			
02200	004660	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214130000			
02201	004670	03-FILLER	PIC X(15)		VALUE	'96 20			
02202	004680	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214140000			
02203	004690	03-FILLER	PIC X(15)		VALUE	'3E7 NA1 NA4			
02204	004700	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214150000			
02205	004710	03-FILLER	PIC X(15)		VALUE	'4E4			
02206	004720	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214160000			
02207	004730	03-FILLER	PIC X(15)		VALUE	'4E5			
02208	004740	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214170000			
02209	004750	03-FILLER	PIC X(15)		VALUE	'4E6			
02210	004760	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214180000			
02211	004770	03-FILLER	PIC X(15)		VALUE	'4E7			
02212	004780	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214190000			
02213	004790	03-FILLER	PIC X(15)		VALUE	'4E8			
02214	004800	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214200000			
02215	004810	03-FILLER	PIC X(15)		VALUE	'4E9			
02216	004820	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214210000			
02217	004830	03-FILLER	PIC X(15)		VALUE	'4EA			
02218	004840	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214220000			
02219	004850	03-FILLER	PIC X(15)		VALUE	'4EB			
02220	004860	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214230000			
02221	004870	03-FILLER	PIC X(15)		VALUE	'4EC			
02222	004880	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214240000			
02223	004890	03-FILLER	PIC X(15)		VALUE	'4ED			
02224	004900	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214250000			
02225	004910	03-FILLER	PIC X(15)		VALUE	'4EE			
02226	004920	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214260000			
02227	004930	03-FILLER	PIC X(15)		VALUE	'4EF			
02228	004940	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214270000			
02229	004950	03-FILLER	PIC X(15)		VALUE	'4EG			
02230	004960	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214280000			
02231	004970	03-FILLER	PIC X(15)		VALUE	'4EH			
02232	004980	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214290000			
02233	004990	03-FILLER	PIC X(15)		VALUE	'4EI			
02234	005000	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214300000			
02235	005010	03-FILLER	PIC X(15)		VALUE	'4EJ			
02236	005020	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214310000			
02237	005030	03-FILLER	PIC X(15)		VALUE	'4EK			
02238	005040	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214320000			
02239	005050	03-FILLER	PIC X(15)		VALUE	'4EL			
02240	005060	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214330000			
02241	005070	03-FILLER	PIC X(15)		VALUE	'4EM			
02242	005080	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214340000			
02243	005090	03-FILLER	PIC X(15)		VALUE	'4EN			
02244	005100	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214350000			
02245	005110	03-FILLER	PIC X(15)		VALUE	'4EO			
02246	005120	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214360000			
02247	005130	03-FILLER	PIC X(15)		VALUE	'4EP			
02248	005140	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214370000			
02249	005150	03-FILLER	PIC X(15)		VALUE	'4EQ			
02250	005160	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214380000			
02251	005170	03-FILLER	PIC X(15)		VALUE	'4ER			
02252	005180	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214390000			
02253	005190	03-FILLER	PIC X(15)		VALUE	'4ES			
02254	005200	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214400000			
02255	005210	03-FILLER	PIC X(15)		VALUE	'4ET			
02256	005220	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214410000			
02257	005230	03-FILLER	PIC X(15)		VALUE	'4EU			
02258	005240	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214420000			
02259	005250	03-FILLER	PIC X(15)		VALUE	'4EV			
02260	005260	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214430000			
02261	005270	03-FILLER	PIC X(15)		VALUE	'4EW			
02262	005280	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214440000			
02263	005290	03-FILLER	PIC X(15)		VALUE	'4EX			
02264	005300	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214450000			
02265	005310	03-FILLER	PIC X(15)		VALUE	'4EY			
02266	005320	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214460000			
02267	005330	03-FILLER	PIC X(15)		VALUE	'4EZ			
02268	005340	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214470000			
02269	005350	03-FILLER	PIC X(15)		VALUE	'4F1			
02270	005360	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214480000			
02271	005370	03-FILLER	PIC X(15)		VALUE	'4F2			
02272	005380	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214490000			
02273	005390	03-FILLER	PIC X(15)		VALUE	'4F3			
02274	005400	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214500000			
02275	005410	03-FILLER	PIC X(15)		VALUE	'4F4			
02276	005420	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214510000			
02277	005430	03-FILLER	PIC X(15)		VALUE	'4F5			
02278	005440	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214520000			
02279	005450	03-FILLER	PIC X(15)		VALUE	'4F6			
02280	005460	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214530000			
02281	005470	03-FILLER	PIC X(15)		VALUE	'4F7			
02282	005480	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214540000			
02283	005490	03-FILLER	PIC X(15)		VALUE	'4F8			
02284	005500	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214550000			
02285	005510	03-FILLER	PIC X(15)		VALUE	'4F9			
02286	005520	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214560000			
02287	005530	03-FILLER	PIC X(15)		VALUE	'4FA			
02288	005540	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214570000			
02289	005550	03-FILLER	PIC X(15)		VALUE	'4FB			
02290	005560	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214580000			
02291	005570	03-FILLER	PIC X(15)		VALUE	'4FC			
02292	005580	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214590000			
02293	005590	03-FILLER	PIC X(15)		VALUE	'4FD			
02294	005600	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214600000			
02295	005610	03-FILLER	PIC X(15)		VALUE	'4FE			
02296	005620	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214610000			
02297	005630	03-FILLER	PIC X(15)		VALUE	'4FF			
02298	005640	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214620000			
02299	005650	03-FILLER	PIC X(15)		VALUE	'4FG			
02300	005660	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214630000			
02301	005670								

48

HW100

10.43.12

APR 3, 1984

INT NAME

BASE

DISP

RL01

DEFINITION

02204	004700	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214140100.	DNM=88-126	BL=29	807	4768	DS 6P
02205	004710	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214140200.	DNM=88-140	BL=29	80D	4774	DS 15C
02206	004720	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214140300.	DNM=88-154	BL=29	8FC	4789	DS 6P
02207	004730	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214140400.	DNM=88-168	BL=29	8F2	4795	DS 15C
02208	004740	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214140500.	DNM=88-182	BL=29	CO1	4810	DS 6P
02209	004750	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214140600.	DNM=88-196	BL=29	CO7	4816	DS 15C
02210	004760	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214140700.	DNM=88-210	BL=29	C16	4831	DS 6P
02211	004770	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214140800.	DNM=88-224	BL=29	C1C	4837	DS 15C
02212	004780	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214140900.	DNM=88-238	BL=29	C28	4852	DS 6P
02213	004790	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214141000.	DNM=88-252	BL=29	C31	4858	DS 15C
02214	004800	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214141100.	DNM=88-266	BL=29	C40	4873	DS 6P
02215	004810	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214141200.	DNM=88-280	BL=29	C46	4879	DS 15C
02216	004820	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214141300.	DNM=88-294	BL=29	C55	4894	DS 6P
02217	004830	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214141400.	DNM=88-308	BL=29	C5B	4900	DS 15C
02218	004840	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214141500.	DNM=88-322	BL=29	C6A	4915	DS 6P
02219	004850	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214141600.	DNM=88-336	BL=29	C70	4921	DS 15C
02220	004860	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214141700.	DNM=88-350	BL=29	C7F	4936	DS 6P
02221	004870	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214141800.	DNM=88-364	BL=29	C85	4942	DS 15C
02222	004880	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214141900.	DNM=88-378	BL=29	C94	4957	DS 6P
02223	004890	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214142000.	DNM=88-392	BL=29	C9A	4963	DS 15C
02224	004900	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214142100.	DNM=88-406	BL=29	C99	4978	DS 6P
02225	004910	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214142200.	DNM=88-420	BL=29	CAF	4984	DS 15C
02226	004920	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214142300.	DNM=88-434	BL=29	CBE	4999	DS 6P
02227	004930	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214142400.	DNM=88-448	BL=29	CC4	5005	DS 15C
02228	004940	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214142500.	DNM=88-462	BL=29	CD3	5020	DS 6P
02229	004950	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214142600.	DNM=88-476	BL=29	CD9	5026	DS 15C
02230	004960	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214142700.	DNM=88-490	BL=29	CE8	5041	DS 6P
02231	004970	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214142800.	DNM=88-504	BL=29	CEE	5047	DS 15C
02232	004980	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214142900.	DNM=88-518	BL=29	CFD	5062	DS 6P
02233	004990	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214143000.	DNM=88-532	BL=29	CO3	5068	DS 15C
02234	005000	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214143100.	DNM=88-546	BL=29	D12	5083	DS 6P
02235	005010	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214143200.	DNM=88-560	BL=29	D18	5099	DS 15C
02236	005020	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214143300.	DNM=88-574	BL=29	D27	5104	DS 6P
02237	005030	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214143400.	DNM=88-588	BL=29	D2D	5110	DS 15C
02238	005040	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214143500.	DNM=88-602	BL=29	D3C	5125	DS 6P
02239	005050	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214143600.	DNM=88-616	BL=29	D42	5131	DS 15C
02240	005060	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214143700.	DNM=88-630	BL=29	D51	5146	DS 6P
02241	005070	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214143800.	DNM=88-644	BL=29	D57	5152	DS 15C
02242	005080	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214143900.	DNM=88-658	BL=29	D66	5167	DS 6P
02243	005090	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214144000.	DNM=88-672	BL=29	D6C	5173	DS 15C
02244	005100	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214144100.	DNM=88-686	BL=29	D7B	5188	DS 6P
02245	005110	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214144200.	DNM=88-700	BL=29	D81	5194	DS 15C
02246	005120	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214144300.	DNM=88-714	BL=29	D90	5209	DS 6P
02247	005130	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214144400.	DNM=88-728	BL=29	D96	5215	DS 15C
02248	005140	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214144500.	DNM=88-742	BL=29	DA5	5230	DS 6P
02249	005150	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214144600.	DNM=88-756	BL=29	DAB	5236	DS 15C
02250	005160	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214144700.	DNM=88-770	BL=29	D8A	5251	DS 6P
02251	005170	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214144800.	DNM=88-784	BL=29	DC0	5257	DS 15C
02252	005180	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214144900.	DNM=88-798	BL=29	OCF	5272	DS 6P
02253	005190	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214145000.	DNM=88-812	BL=29	DD5	5278	DS 15C
02254	005200	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214145100.	DNM=88-826	BL=29	DE4	5293	DS 6P
02255	005210	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214145200.	DNM=88-840	BL=29	DEA	5299	DS 15C
02256	005220	03-FILLER	PIC 9(10)	COMP-3	VALUE	0214145300.	DNM=88-854	BL=29	DF9	5314	DS 6P
02257	005230	03-FILLER	PIC 9(15)	COMP-3	VALUE	0214145400.	DNM=88-868	BL=29	OFF	5320	DS 15C

49	RM100	10.43.12	APR 3, 1984	INT NAME	BASE	DISP	RL01	DEFINITION
02258	005240	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500190000.		
02259	005250	03 FILLER	PIC 9(15)	COMP-3	VALUE	*P11		
02260	005260	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500300100.		
02261	005270	03 FILLER	PIC 9(15)	COMP-3	VALUE	*H15 H17S H18S		
02262	005280	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500300101.		
02263	005290	03 FILLER	PIC 9(15)	COMP-3	VALUE	*H110S		
02264	005300	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500300103.		
02265	005310	03 FILLER	PIC 9(15)	COMP-3	VALUE	*H113		
02266	005320	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500300104.		
02267	005330	03 FILLER	PIC 9(15)	COMP-3	VALUE	*CR11		
02268	005340	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500300105.		
02269	005350	03 FILLER	PIC 9(15)	COMP-3	VALUE	*H12 OR13		
02270	005360	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500300107.		
02271	005370	03 FILLER	PIC 9(15)	COMP-3	VALUE	*H14S		
02272	005380	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500300109.		
02273	005390	03 FILLER	PIC 9(15)	COMP-3	VALUE	*H120		
02274	005400	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500300110.		
02275	005410	03 FILLER	PIC 9(15)	COMP-3	VALUE	*H16S		
02276	005420	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500300115.		
02277	005430	03 FILLER	PIC 9(15)	COMP-3	VALUE	*H13		
02278	005440	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500300116.		
02279	005450	03 FILLER	PIC 9(15)	COMP-3	VALUE	*H15S		
02280	005460	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500300117.		
02281	005470	03 FILLER	PIC 9(15)	COMP-3	VALUE	*H111		
02282	005480	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500300200.		
02283	005490	03 FILLER	PIC 9(15)	COMP-3	VALUE	*H11S H15 H16		
02284	005500	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500300201.		
02285	005510	03 FILLER	PIC 9(15)	COMP-3	VALUE	*H12 H13		
02286	005520	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500300204.		
02287	005530	03 FILLER	PIC 9(15)	COMP-3	VALUE	*H14S		
02288	005540	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500300300.		
02289	005550	03 FILLER	PIC 9(15)	COMP-3	VALUE	*P11 P12 P13		
02290	005560	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500300303.		
02291	005570	03 FILLER	PIC 9(15)	COMP-3	VALUE	*P14 P15		
02292	005580	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500300304.		
02293	005590	03 FILLER	PIC 9(15)	COMP-3	VALUE	*P16		
02294	005600	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500320000.		
02295	005610	03 FILLER	PIC 9(15)	COMP-3	VALUE	*P5		
02296	005620	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500330000.		
02297	005630	03 FILLER	PIC 9(15)	COMP-3	VALUE	*P7		
02298	005640	03 FILLER	PIC 9(10)	COMP-3	VALUE	0501000000.		
02299	005650	03 FILLER	PIC 9(15)	COMP-3	VALUE	*SPB1 SPB2 SPB3		
02300	005660	03 FILLER	PIC 9(10)	COMP-3	VALUE	*PCB1 PCB2 PCB3		
02301	005670	03 FILLER	PIC 9(15)	COMP-3	VALUE	*PCB1 PCB2 PCB3		
02302	005680	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500300000.		
02303	005690	03 FILLER	PIC 9(15)	COMP-3	VALUE	*LSR2 LSR6 LSR10		
02304	005700	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500300000.		
02305	005710	03 FILLER	PIC 9(15)	COMP-3	VALUE	*LSR4 LSR5		
02306	005720	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500300000.		
02307	005730	03 FILLER	PIC 9(15)	COMP-3	VALUE	*LSR1		
02308	005740	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500300000.		
02309	005750	03 FILLER	PIC 9(15)	COMP-3	VALUE	*LSR3 LSR7 LSR9		
02310	005760	03 FILLER	PIC 9(10)	COMP-3	VALUE	0500300000.		
02311	005770	03 FILLER	PIC 9(15)	COMP-3	VALUE	*LSR8		

50	MM100	10.43.12	APR 3,1984	INT NAME	BASE	DISP	RL01	DEFINITION
02312	005780	03 FILLER	PIC 9(10)	COMP-3	VALUE	0504000000.		
02313	005790	03 FILLER	PIC X(15)		VALUE	'LSR11LSR12		
02314	005800	03 FILLER	PIC 9(10)	COMP-3	VALUE	0506000000.		
02315	005810	03 FILLER	PIC X(15)		VALUE	'FC1 FC2 FC8		
02316	005820	03 FILLER	PIC 9(10)	COMP-3	VALUE	0506010000.		
02317	005830	03 FILLER	PIC X(15)		VALUE	'FC5		
02318	005840	03 FILLER	PIC 9(10)	COMP-3	VALUE	0506020000.		
02319	005850	03 FILLER	PIC X(15)		VALUE	'FC7		
02320	005860	03 FILLER	PIC 9(10)	COMP-3	VALUE	0506030000.		
02321	005870	03 FILLER	PIC X(15)		VALUE	'FC6		
02322	005880	03 FILLER	PIC 9(10)	COMP-3	VALUE	0509000000.		
02323	005890	03 FILLER	PIC X(15)		VALUE	'FC4 FC10		
02324	005900	03 FILLER	PIC 9(10)	COMP-3	VALUE	0509010000.		
02325	005910	03 FILLER	PIC X(15)		VALUE	'FC3 3F5		
02326	005920	03 FILLER	PIC 9(10)	COMP-3	VALUE	0513000000.		
02327	005930	03 FILLER	PIC X(15)		VALUE	'FC5A		
02328	005940	03 FILLER	PIC 9(10)	COMP-3	VALUE	0514000000.		
02329	005950	03 FILLER	PIC X(15)		VALUE	'WB1 WB2 WB5		
02330	005960	03 FILLER	PIC 9(10)	COMP-3	VALUE	0514010000.		
02331	005970	03 FILLER	PIC X(15)		VALUE	'WB4		
02332	005980	03 FILLER	PIC 9(10)	COMP-3	VALUE	0514020000.		
02333	005990	03 FILLER	PIC X(15)		VALUE	'3F4		
02334	006000	03 FILLER	PIC 9(10)	COMP-3	VALUE	0514030000.		
02335	006010	03 FILLER	PIC X(15)		VALUE	'WB3 WB6 WB3A		
02336	006020	03 FILLER	PIC 9(10)	COMP-3	VALUE	0514040000.		
02337	006030	03 FILLER	PIC X(15)		VALUE	'WB10		
02338	006040	03 FILLER	PIC 9(10)	COMP-3	VALUE	0514050000.		
02339	006050	03 FILLER	PIC X(15)		VALUE	'WB11 WB4A		
02340	006060	03 FILLER	PIC 9(10)	COMP-3	VALUE	0514050100.		
02341	006070	03 FILLER	PIC X(15)		VALUE	'WB9		
02342	006080	03 FILLER	PIC 9(10)	COMP-3	VALUE	0514060000.		
02343	006090	03 FILLER	PIC X(15)		VALUE	'WB8		
02344	006100	03 FILLER	PIC 9(10)	COMP-3	VALUE	0516000000.		
02345	006110	03 FILLER	PIC X(15)		VALUE	'CC2 3F1 3F2		
02346	006120	03 FILLER	PIC 9(10)	COMP-3	VALUE	0516010200.		
02347	006130	03 FILLER	PIC X(15)		VALUE	'3E1		
02348	006140	03 FILLER	PIC 9(10)	COMP-3	VALUE	0516010300.		
02349	006150	03 FILLER	PIC X(15)		VALUE	'3E1		
02350	006160	03 FILLER	PIC 9(10)	COMP-3	VALUE	0516010500.		
02351	006170	03 FILLER	PIC X(15)		VALUE	'M1A M110		
02352	006180	03 FILLER	PIC 9(10)	COMP-3	VALUE	0518000000.		
02353	006190	03 FILLER	PIC X(15)		VALUE	'CC4		
02354	006200	03 FILLER	PIC 9(10)	COMP-3	VALUE	0518010000.		
02355	006210	03 FILLER	PIC X(15)		VALUE	'CC1		
02356	006220	03 FILLER	PIC 9(10)	COMP-3	VALUE	0519000000.		
02357	006230	03 FILLER	PIC X(15)		VALUE	'CC3		
02358	006240	03 FILLER	PIC 9(10)	COMP-3	VALUE	0520000000.		
02359	006250	03 FILLER	PIC X(15)		VALUE	'J44		
02360	006260	03 FILLER	PIC 9(10)	COMP-3	VALUE	0521000000.		
02361	006270	03 FILLER	PIC X(15)		VALUE	'J42 J45 JB7		
02362	006280	03 FILLER	PIC 9(10)	COMP-3	VALUE	0521010000.		
02363	006290	03 FILLER	PIC X(15)		VALUE	'J48		
02364	006300	03 FILLER	PIC 9(10)	CCMP-3	VALUE	0521020000.		
02365	006310	03 FILLER	PIC X(15)		VALUE	'JB6		

INT NAME BASE DISP RLO1 DEFINITION

APR 3-1984

10.43-12

NM100

51

02366	006320	03 FILLER	PIC X(11)	COMP-3	VALUE	0521040000.	DNM=92-378	BL=30 282	1723	DS 6P
02367	006330	03 FILLER	PIC X(11)	COMP-3	VALUE	JR1	DNM=92-392	BL=30 291	1702	DS 6P
02368	006340	03 FILLER	PIC X(11)	COMP-3	VALUE	JR3	DNM=92-406	BL=30 297	1696	DS 15C
02369	006350	03 FILLER	PIC X(11)	COMP-3	VALUE	JR3	DNM=92-420	BL=30 246	1681	DS 6P
02370	006360	03 FILLER	PIC X(11)	COMP-3	VALUE	0521060100.	DNM=92-434	BL=30 288	1675	DS 15C
02371	006370	03 FILLER	PIC X(11)	COMP-3	VALUE	0521060100.	DNM=92-448	BL=30 246	1660	DS 6P
02372	006380	03 FILLER	PIC X(11)	COMP-3	VALUE	0522000000.	DNM=92-462	BL=30 288	1654	DS 15C
02373	006390	03 FILLER	PIC X(11)	COMP-3	VALUE	0522000000.	DNM=92-476	BL=30 288	1639	DS 6P
02374	006400	03 FILLER	PIC X(11)	COMP-3	VALUE	0522010000.	DNM=92-490	BL=30 206	1633	DS 15C
02375	006410	03 FILLER	PIC X(11)	COMP-3	VALUE	0522010000.	DNM=93-000	BL=30 206	1618	DS 6P
02376	006420	03 FILLER	PIC X(11)	COMP-3	VALUE	0522010000.	DNM=93-014	BL=30 255	1612	DS 15C
02377	006430	03 FILLER	PIC X(11)	COMP-3	VALUE	0522010000.	DNM=93-028	BL=30 255	1597	DS 6P
02378	006440	03 FILLER	PIC X(11)	COMP-3	VALUE	0522020000.	DNM=93-042	BL=30 300	1591	DS 15C
02379	006450	03 FILLER	PIC X(11)	COMP-3	VALUE	0522020000.	DNM=93-056	BL=30 300	1576	DS 6P
02380	006460	03 FILLER	PIC X(11)	COMP-3	VALUE	0522040000.	DNM=93-070	BL=30 300	1570	DS 15C
02381	006470	03 FILLER	PIC X(11)	COMP-3	VALUE	0522040000.	DNM=93-084	BL=30 315	1555	DS 6P
02382	006480	03 FILLER	PIC X(11)	COMP-3	VALUE	0522050000.	DNM=93-098	BL=30 324	1549	DS 15C
02383	006490	03 FILLER	PIC X(11)	COMP-3	VALUE	0522050000.	DNM=93-112	BL=30 324	1534	DS 6P
02384	006500	03 FILLER	PIC X(11)	COMP-3	VALUE	0522060000.	DNM=93-126	BL=30 339	1528	DS 15C
02385	006510	03 FILLER	PIC X(11)	COMP-3	VALUE	0522070100.	DNM=93-140	BL=30 346	1513	DS 6P
02386	006520	03 FILLER	PIC X(11)	COMP-3	VALUE	0522070100.	DNM=93-154	BL=30 354	1492	DS 15C
02387	006530	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-168	BL=30 363	1486	DS 6P
02388	006540	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-182	BL=30 369	1471	DS 15C
02389	006550	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-196	BL=30 378	1465	DS 6P
02390	006560	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-210	BL=30 378	1450	DS 15C
02391	006570	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-224	BL=30 378	1444	DS 6P
02392	006580	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-238	BL=30 380	1429	DS 15C
02393	006590	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-252	BL=30 393	1423	DS 6P
02394	006600	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-266	BL=30 387	1408	DS 15C
02395	006610	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-280	BL=30 387	1381	DS 6P
02396	006620	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-294	BL=30 380	1366	DS 15C
02397	006630	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-308	BL=30 380	1360	DS 6P
02398	006640	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-322	BL=30 380	1345	DS 15C
02399	006650	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-336	BL=30 380	1339	DS 6P
02400	006660	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-350	BL=30 380	1324	DS 15C
02401	006670	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-364	BL=30 380	1318	DS 6P
02402	006680	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-378	BL=30 380	1303	DS 15C
02403	006690	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-392	BL=30 380	1297	DS 6P
02404	006700	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-406	BL=30 408	1282	DS 15C
02405	006710	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-420	BL=30 411	1276	DS 6P
02406	006720	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-434	BL=30 420	1261	DS 15C
02407	006730	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-448	BL=30 426	1255	DS 6P
02408	006740	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-462	BL=30 435	1240	DS 15C
02409	006750	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-476	BL=30 438	1234	DS 6P
02410	006760	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-490	BL=30 444	1219	DS 15C
02411	006770	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=93-504	BL=30 450	1213	DS 6P
02412	006780	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=94-000	BL=30 450	1198	DS 15C
02413	006790	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=94-014	BL=30 455	1192	DS 6P
02414	006800	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=94-028	BL=30 465	1177	DS 15C
02415	006810	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=94-042	BL=30 474	1171	DS 6P
02416	006820	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=94-056	BL=30 474	1165	DS 15C
02417	006830	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=94-070	BL=30 489	1159	DS 6P
02418	006840	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=94-084	BL=30 489	1144	DS 15C
02419	006850	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=94-098	BL=30 496	1138	DS 6P
02420	006860	03 FILLER	PIC X(11)	COMP-3	VALUE	0522080000.	DNM=94-112	BL=30 444	1132	DS 15C

INT NAME	BASE	DISP	RLQI	DEFINITION
02420 006860	03 FILLER	PIC 9(110)	COMP-3	VALUE 0527000000.
02421 006870	03 FILLER	PIC X(115)	VALUE	'S89 S811 S812'.
02422 006880	03 FILLER	PIC 9(110)	COMP-3	VALUE 0527010000.
02423 006890	03 FILLER	PIC X(115)	VALUE	'S83
02424 006900	03 FILLER	PIC 9(110)	COMP-3	VALUE 0527020000.
02425 006910	03 FILLER	PIC X(115)	VALUE	'S81 S82 S86
02426 006920	03 FILLER	PIC 9(110)	COMP-3	VALUE 0527020100.
02427 006930	03 FILLER	PIC X(115)	VALUE	'S814 GR11
02428 006940	03 FILLER	PIC 9(110)	COMP-3	VALUE 0527020200.
02429 006950	03 FILLER	PIC X(115)	VALUE	'S88
02430 006960	03 FILLER	PIC 9(110)	COMP-3	VALUE 0527020300.
02431 006970	03 FILLER	PIC X(115)	VALUE	'S84 4F3
02432 006980	03 FILLER	PIC 9(110)	COMP-3	VALUE 0527020400.
02433 006990	03 FILLER	PIC X(115)	VALUE	'S85
02434 007000	03 FILLER	PIC 9(110)	COMP-3	VALUE 0527030000.
02435 007010	03 FILLER	PIC X(115)	VALUE	'S810
02436 007020	03 FILLER	PIC 9(110)	COMP-3	VALUE 0527040000.
02437 007030	03 FILLER	PIC X(115)	VALUE	'S815
02438 007040	03 FILLER	PIC 9(110)	COMP-3	VALUE 0527050000.
02439 007050	03 FILLER	PIC X(115)	VALUE	'S816
02440 007060	03 FILLER	PIC 9(110)	COMP-3	VALUE 0528000100.
02441 007070	03 FILLER	PIC X(115)	VALUE	'PARISPARITH1
02442 007080	03 FILLER	PIC 9(110)	COMP-3	VALUE 0528000200.
02443 007090	03 FILLER	PIC X(115)	VALUE	'126 1275 129
02444 007100	03 FILLER	PIC 9(110)	COMP-3	VALUE 0528000300.
02445 007110	03 FILLER	PIC X(115)	VALUE	'110 111 112
02446 007120	03 FILLER	PIC 9(110)	COMP-3	VALUE 0528030000.
02447 007130	03 FILLER	PIC X(115)	VALUE	'AB2 AB6 5F21
02448 007140	03 FILLER	PIC 9(110)	COMP-3	VALUE 0528030100.
02449 007150	03 FILLER	PIC X(115)	VALUE	'AB5
02450 007160	03 FILLER	PIC 9(110)	COMP-3	VALUE 0528030201.
02451 007170	03 FILLER	PIC X(115)	VALUE	'AB4 AB7
02452 007180	03 FILLER	PIC 9(110)	COMP-3	VALUE 0528030300.
02453 007190	03 FILLER	PIC X(115)	VALUE	'AB1 AB3
02454 007200	03 FILLER	PIC 9(110)	COMP-3	VALUE 0528050000.
02455 007210	03 FILLER	PIC X(115)	VALUE	'PUR30
02456 007220	03 FILLER	PIC 9(110)	COMP-3	VALUE 0528060001.
02457 007230	03 FILLER	PIC X(115)	VALUE	'2315 234 5F20
02458 007240	03 FILLER	PIC 9(110)	COMP-3	VALUE 0528060002.
02459 007250	03 FILLER	PIC X(115)	VALUE	'2215 222 5E14
02460 007260	03 FILLER	PIC 9(110)	COMP-3	VALUE 0528060003.
02461 007270	03 FILLER	PIC X(115)	VALUE	'200 201 202
02462 007280	03 FILLER	PIC 9(110)	COMP-3	VALUE 0528060004.
02463 007290	03 FILLER	PIC X(115)	VALUE	'5E5 BP6 P2
02464 007300	03 FILLER	PIC 9(110)	COMP-3	VALUE 0528060100.
02465 007310	03 FILLER	PIC X(115)	VALUE	'PUR23PUR4 PUR22
02466 007320	03 FILLER	PIC 9(110)	COMP-3	VALUE 0528060101.
02467 007330	03 FILLER	PIC X(115)	VALUE	'PUR17
02468 007340	03 FILLER	PIC 9(110)	COMP-3	VALUE 0528060105.
02469 007350	03 FILLER	PIC X(115)	VALUE	'PUR19
02470 007360	03 FILLER	PIC 9(110)	COMP-3	VALUE 0528060107.
02471 007370	03 FILLER	PIC X(115)	VALUE	'PUR5 229
02472 007380	03 FILLER	PIC 9(110)	COMP-3	VALUE 0528060109.
02473 007390	03 FILLER	PIC X(115)	VALUE	'PUR18

53	NI100	10.43.12	APR 3,1984	INT NAME	BASE	DISP	RL01	DEFINITION			
02474	007400	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528060200.		DNM-95-378	BL=30 6EA	0589	DS 6P
02475	007410	03 FILLER	PIC X(15)	COMP-3	VALUE	PUR6 225 227		DNM-95-392	BL=30 6FO	0583	DS 15C
02476	007420	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528060201.		DNM-95-406	BL=30 6FF	0568	DS 6P
02477	007430	03 FILLER	PIC X(15)	COMP-3	VALUE	PUR20		DNM-95-420	BL=30 705	0562	DS 15C
02478	007440	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528060208.		DNM-95-434	BL=30 714	0547	DS 6P
02479	007450	03 FILLER	PIC X(15)	COMP-3	VALUE	PUR21		DNM-95-448	BL=30 71A	0541	DS 15C
02480	007460	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528060209.		DNM-95-462	BL=30 729	0526	DS 6P
02481	007470	03 FILLER	PIC X(15)	COMP-3	VALUE	PUR7 226		DNM-95-476	BL=30 72F	0520	DS 15C
02482	007480	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528060300.		DNM-95-490	BL=30 73E	0505	DS 6P
02483	007490	03 FILLER	PIC X(15)	COMP-3	VALUE	220		DNM-96-000	BL=30 744	0499	DS 15C
02484	007500	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528060400.		DNM-96-014	BL=30 753	0484	DS 6P
02485	007510	03 FILLER	PIC X(15)	COMP-3	VALUE	4F2		DNM-96-028	BL=30 759	0478	DS 15C
02486	007520	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528060600.		DNM-96-042	BL=30 768	0463	DS 6P
02487	007530	03 FILLER	PIC X(15)	COMP-3	VALUE	PUR12205 4F1		DNM-96-056	BL=30 76E	0457	DS 15C
02488	007540	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528061200.		DNM-96-070	BL=30 77D	0442	DS 6P
02489	007550	03 FILLER	PIC X(15)	COMP-3	VALUE	4F3		DNM-96-084	BL=30 783	0436	DS 15C
02490	007560	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528061202.		DNM-96-098	BL=30 792	0421	DS 6P
02491	007570	03 FILLER	PIC X(15)	COMP-3	VALUE	4E4		DNM-96-112	BL=30 798	0415	DS 15C
02492	007580	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528061600.		DNM-96-126	BL=30 7A7	0400	DS 6P
02493	007590	03 FILLER	PIC X(15)	COMP-3	VALUE	CMC2		DNM-96-140	BL=30 7AD	0394	DS 15C
02494	007600	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528061601.		DNM-96-154	BL=30 78C	0379	DS 6P
02495	007610	03 FILLER	PIC X(15)	COMP-3	VALUE	4C4		DNM-96-168	BL=30 7C2	0373	DS 15C
02496	007620	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528062600.		DNM-96-182	BL=30 7D1	0358	DS 6P
02497	007630	03 FILLER	PIC X(15)	COMP-3	VALUE	5E12		DNM-96-196	BL=30 7D7	0352	DS 15C
02498	007640	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528062700.		DNM-96-210	BL=30 7E6	0337	DS 6P
02499	007650	03 FILLER	PIC X(15)	COMP-3	VALUE	PUR11206 5E13		DNM-96-224	BL=30 7EC	0331	DS 15C
02500	007660	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528062900.		DNM-96-238	BL=30 7FB	0316	DS 6P
02501	007670	03 FILLER	PIC X(15)	COMP-3	VALUE	5E12		DNM-96-252	BL=30 801	0310	DS 15C
02502	007680	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528063200.		DNM-96-266	BL=30 810	0295	DS 6P
02503	007690	03 FILLER	PIC X(15)	COMP-3	VALUE	209 211 5E3		DNM-96-280	BL=30 816	0289	DS 15C
02504	007700	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528063201.		DNM-96-294	BL=30 825	0274	DS 6P
02505	007710	03 FILLER	PIC X(15)	COMP-3	VALUE	5E9		DNM-96-308	BL=30 828	0268	DS 15C
02506	007720	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528063204.		DNM-96-322	BL=30 83A	0253	DS 6P
02507	007730	03 FILLER	PIC X(15)	COMP-3	VALUE	212 210 5E2		DNM-96-336	BL=30 840	0247	DS 15C
02508	007740	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528063208.		DNM-96-350	BL=30 84F	0232	DS 6P
02509	007750	03 FILLER	PIC X(15)	COMP-3	VALUE	5E4		DNM-96-364	BL=30 855	0226	DS 15C
02510	007760	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528063300.		DNM-96-378	BL=30 864	0211	DS 6P
02511	007770	03 FILLER	PIC X(15)	COMP-3	VALUE	216 2185 219		DNM-96-392	BL=30 86A	0205	DS 15C
02512	007780	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528063305.		DNM-96-406	BL=30 879	0190	DS 6P
02513	007790	03 FILLER	PIC X(15)	COMP-3	VALUE	PUR9 215 5F14		DNM-96-420	BL=30 87F	0184	DS 15C
02514	007800	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528063306.		DNM-96-434	BL=30 88E	0169	DS 6P
02515	007810	03 FILLER	PIC X(15)	COMP-3	VALUE	217		DNM-96-448	BL=30 894	0163	DS 15C
02516	007820	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528063500.		DNM-96-462	BL=30 8A3	0148	DS 6P
02517	007830	03 FILLER	PIC X(15)	COMP-3	VALUE	223 5F17		DNM-96-476	BL=30 8A9	0142	DS 15C
02518	007840	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528063503.		DNM-96-490	BL=30 8B8	0127	DS 6P
02519	007850	03 FILLER	PIC X(15)	COMP-3	VALUE	224		DNM-97-000	BL=30 8BE	0121	DS 15C
02520	007860	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528063700.		DNM-97-014	BL=30 8CD	0106	DS 6P
02521	007870	03 FILLER	PIC X(15)	COMP-3	VALUE	5F18 232 PUR16		DNM-97-028	BL=30 8D3	0100	DS 15C
02522	007880	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528063701.		DNM-97-042	BL=30 8E2	0085	DS 6P
02523	007890	03 FILLER	PIC X(15)	COMP-3	VALUE	PUR14		DNM-97-056	BL=30 8E8	0079	DS 15C
02524	007900	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528063702.		DNM-97-070	BL=30 8F7	0064	DS 6P
02525	007910	03 FILLER	PIC X(15)	COMP-3	VALUE	PUR15		DNM-97-084	BL=30 8FD	0058	DS 15C
02526	007920	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528063800.		DNM-97-098	BL=30 90C	0043	DS 6P
02527	007930	03 FILLER	PIC X(15)	COMP-3	VALUE	5F19 PUR2 PUR31		DNM-97-112	BL=30 912	0037	DS 15C

DEFINITION

INT NAME

BASE

DISP

RL01

DEFINITION

APR 3, 1984

10.43.12

NR100

54

02528	007940	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528063802.	DNM-97-126	BL=30 921	0022	DS 6P
02529	007950	03 FILLER	PIC	X(15)	COMP-3	VALUE	'PURI3	DNM-97-140	BL=30 927	0016	DS 15C
02530	007960	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528063803.	DNM-97-154	BL=30 936	0001	DS 6P
02531	007970	03 FILLER	PIC	X(15)	COMP-3	VALUE	'PUR3 233	DNM-97-168	BL=30 93C	0005	DS 15C
02532	007980	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528064000.	DNM-97-182	BL=30 948	0020	DS 6P
02533	007990	03 FILLER	PIC	X(15)	COMP-3	VALUE	'	DNM-97-196	BL=30 951	0026	DS 15C
02534	008000	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528064100.	DNM-97-210	BL=30 960	0041	DS 6P
02535	008010	03 FILLER	PIC	X(15)	COMP-3	VALUE	'5E6 5E7 5	DNM-97-224	BL=30 966	0047	DS 15C
02536	008020	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528064101.	DNM-97-238	BL=30 975	0062	DS 6P
02537	008030	03 FILLER	PIC	X(15)	COMP-3	VALUE	'9 10 11	DNM-97-252	BL=30 97B	0068	DS 15C
02538	008040	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528064104.	DNM-97-266	BL=30 98A	0083	DS 6P
02539	008050	03 FILLER	PIC	X(15)	COMP-3	VALUE	'14	DNM-97-280	BL=30 990	0089	DS 15C
02540	008060	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528064105.	DNM-97-294	BL=30 99F	0104	DS 6P
02541	008070	03 FILLER	PIC	X(15)	COMP-3	VALUE	'2 3 15	DNM-97-308	BL=30 9A5	0110	DS 15C
02542	008080	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528064106.	DNM-97-322	BL=30 9A6	0125	DS 6P
02543	008090	03 FILLER	PIC	X(15)	COMP-3	VALUE	'1 4	DNM-97-336	BL=30 98A	0131	DS 15C
02544	008100	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528064107.	DNM-97-350	BL=30 9C9	0146	DS 6P
02545	008110	03 FILLER	PIC	X(15)	COMP-3	VALUE	'16	DNM-97-364	BL=30 9CF	0152	DS 15C
02546	008120	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528064108.	DNM-97-378	BL=30 9DE	0167	DS 6P
02547	008130	03 FILLER	PIC	X(15)	COMP-3	VALUE	'8	DNM-97-392	BL=30 9E4	0173	DS 15C
02548	008140	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528064109.	DNM-97-406	BL=30 9F3	0188	DS 6P
02549	008150	03 FILLER	PIC	X(15)	COMP-3	VALUE	'12	DNM-97-420	BL=30 9F9	0194	DS 15C
02550	008160	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528064200.	DNM-97-434	BL=30 A08	0209	DS 6P
02551	008170	03 FILLER	PIC	X(15)	COMP-3	VALUE	'BP4 BP5 CB5	DNM-97-448	BL=30 A0E	0215	DS 15C
02552	008180	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528070000.	DNM-97-462	BL=30 A1D	0230	DS 6P
02553	008190	03 FILLER	PIC	X(15)	COMP-3	VALUE	'PAR18157 PAR28'	DNM-97-476	BL=30 A23	0236	DS 15C
02554	008200	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528070100.	DNM-97-490	BL=30 A32	0251	DS 6P
02555	008210	03 FILLER	PIC	X(15)	COMP-3	VALUE	'PAR21	DNM-98-000	BL=30 A38	0257	DS 15C
02556	008220	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528070200.	DNM-98-014	BL=30 A47	0272	DS 6P
02557	008230	03 FILLER	PIC	X(15)	COMP-3	VALUE	'PAR10158 PAR20'	DNM-98-028	BL=30 A4D	0278	DS 15C
02558	008240	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528070201.	DNM-98-042	BL=30 A5C	0293	DS 6P
02559	008250	03 FILLER	PIC	X(15)	COMP-3	VALUE	'PARC1	DNM-98-056	BL=30 A62	0299	DS 15C
02560	008260	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528070202.	DNM-98-070	BL=30 A71	0314	DS 6P
02561	008270	03 FILLER	PIC	X(15)	COMP-3	VALUE	'PAR29	DNM-98-084	BL=30 A77	0320	DS 15C
02562	008280	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528070400.	DNM-98-098	BL=30 A86	0335	DS 6P
02563	008290	03 FILLER	PIC	X(15)	COMP-3	VALUE	'PAR19	DNM-98-112	BL=30 A8C	0341	DS 15C
02564	008300	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528070500.	DNM-98-126	BL=30 A98	0356	DS 6P
02565	008310	03 FILLER	PIC	X(15)	COMP-3	VALUE	'PAR22	DNM-98-140	BL=30 AAL	0362	DS 15C
02566	008320	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528080000.	DNM-98-154	BL=30 A30	0377	DS 6P
02567	008330	03 FILLER	PIC	X(15)	COMP-3	VALUE	'154 PST1	DNM-98-168	BL=30 A86	0383	DS 15C
02568	008340	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528090000.	DNM-98-182	BL=30 AC5	0398	DS 6P
02569	008350	03 FILLER	PIC	X(15)	COMP-3	VALUE	'PAR35	DNM-98-196	BL=30 ACB	0404	DS 15C
02570	008360	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528100000.	DNM-98-210	BL=30 ADA	0419	DS 6P
02571	008370	03 FILLER	PIC	X(15)	COMP-3	VALUE	'PAR9	DNM-98-224	BL=30 AEO	0425	DS 15C
02572	008380	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528120000.	DNM-98-238	BL=30 AEF	0440	DS 6P
02573	008390	03 FILLER	PIC	X(15)	COMP-3	VALUE	'PAR8 134 133	DNM-98-252	BL=30 AEF	0446	DS 15C
02574	008400	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528120300.	DNM-98-266	BL=30 B04	0461	DS 6P
02575	008410	03 FILLER	PIC	X(15)	COMP-3	VALUE	'PRC4	DNM-98-280	BL=30 B0A	0467	DS 15C
02576	008420	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528120400.	DNM-98-294	BL=30 B19	0482	DS 6P
02577	008430	03 FILLER	PIC	X(15)	COMP-3	VALUE	'PRC3	DNM-98-308	BL=30 B1F	0488	DS 15C
02578	008440	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528120500.	DNM-98-322	BL=30 B2E	0503	DS 6P
02579	008450	03 FILLER	PIC	X(15)	COMP-3	VALUE	'PRC2	DNM-98-336	BL=30 B34	0509	DS 15C
02580	008460	03 FILLER	PIC	9(10)	COMP-3	VALUE	0528120600.	DNM-98-350	BL=30 B43	0524	DS 6P
02581	008470	03 FILLER	PIC	X(15)	COMP-3	VALUE	'PRC1	DNM-98-364	BL=30 B49	0530	DS 15C

55

APR 3, 1984

10.43.12

NM100

INT NAME	BASE	DISP	RL01	DEFINITION
DNM=98-378	BL=30-858	0545	05 6P	
DNM=98-392	BL=30 85E	0551	DS 15C	
DNM=98-406	BL=30 86D	0566	DS 6P	
DNM=98-420	BL=30 873	0572	DS 15C	
DNM=98-434	BL=30 882	0587	DS 6P	
DNM=98-448	BL=30 888	0593	DS 15C	
DNM=98-462	BL=30 897	0608	DS 6P	
DNM=98-476	BL=30 89D	0614	DS 15C	
DNM=98-490	BL=30 84C	0629	DS 6P	
DNM=99-000	BL=30 882	0635	DS 15C	
DNM=99-014	BL=30 8C1	0650	DS 6P	
DNM=99-028	BL=30 8C7	0656	DS 15C	
DNM=99-042	BL=30 8D6	0671	DS 6P	
DNM=99-056	BL=30 8DC	0677	DS 15C	
DNM=99-070	BL=30 8EB	0692	DS 6P	
DNM=99-084	BL=30 8F1	0698	DS 15C	
DNM=99-098	BL=30 C00	0713	DS 6P	
DNM=99-112	BL=30 C06	0719	DS 15C	
DNM=99-126	BL=30 C15	0734	DS 6P	
DNM=99-140	BL=30 C18	0740	DS 15C	
DNM=99-154	BL=30 C2A	0755	DS 6P	
DNM=99-168	BL=30 C30	0761	DS 15C	
DNM=99-182	BL=30 C3F	0776	DS 6P	
DNM=99-196	BL=30 C45	0782	DS 15C	
DNM=99-210	BL=30 C54	0797	DS 6P	
DNM=99-224	BL=30 C5A	0803	DS 15C	
DNM=99-238	BL=30 C69	0818	DS 6P	
DNM=99-252	BL=30 C6F	0824	DS 15C	
DNM=99-266	BL=30 C7E	0839	DS 6P	
DNM=99-280	BL=30 C84	0845	DS 15C	
DNM=99-294	BL=30 C93	0860	DS 6P	
DNM=99-308	BL=30 C99	0866	DS 15C	
DNM=99-322	BL=30 CA8	0881	DS 6P	
DNM=99-336	BL=30 CAE	0887	DS 15C	
DNM=99-350	BL=30 CBD	0902	DS 6P	
DNM=99-364	BL=30 CC3	0908	DS 15C	
DNM=99-378	BL=30 CD2	0923	DS 6P	
DNM=99-392	BL=30 CD8	0929	DS 15C	
DNM=99-406	BL=30 CE7	0944	DS 6P	
DNM=99-420	BL=30 CED	0950	DS 15C	
DNM=99-434	BL=30 CFC	0965	DS 6P	
DNM=99-448	BL=30 D02	0971	DS 15C	
DNM=99-462	BL=30 D11	0986	DS 6P	
DNM=99-476	BL=30 D17	0992	DS 15C	
DNM=99-490	BL=30 D26	1007	DS 6P	
DNM=100-000	BL=30 D2C	1013	DS 15C	
DNM=100-01	BL=30 D38	1028	DS 6P	
DNM=100-02	BL=30 D41	1034	DS 15C	
DNM=100-04	BL=30 D50	1049	DS 6P	
DNM=100-05	BL=30 D56	1055	DS 15C	
DNM=100-07	BL=30 D65	1070	DS 6P	
DNM=100-08	BL=30 D68	1076	DS 15C	
DNM=100-09	BL=30 D7A	1091	DS 6P	
DNM=100-11	BL=30 D80	1097	DS 15C	

56

NM100

10.43.12

APR 3.1984

INT NAME BASE DISP RL01 DEFINITION

02636	009020	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528202500.			DNM=100-12	BL=30	08F	1112	DS 6P
02637	009030	03 FILLER	PIC X(15)		VALUE	'THM1			DNM=100-14	BL=30	095	1118	DS 15C
02638	009040	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528202600.			DNM=100-15	BL=30	0A4	1133	DS 6P
02639	009050	03 FILLER	PIC X(15)		VALUE	'ICLI			DNM=100-16	BL=30	0AA	1139	DS 15C
02640	009060	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528220000.			DNM=100-18	BL=30	0B9	1154	DS 6P
02641	009070	03 FILLER	PIC X(15)		VALUE	'PROI			DNM=100-19	BL=30	0BF	1160	DS 15C
02642	009080	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528230000.			DNM=100-21	BL=30	0CE	1175	DS 6P
02643	009090	03 FILLER	PIC X(15)		VALUE	'113 114			DNM=100-22	BL=30	0DA	1181	DS 15C
02644	009100	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528230400.			DNM=100-23	BL=30	0DE3	1196	DS 6P
02645	009110	03 FILLER	PIC X(15)		VALUE	'PCC1			DNM=100-25	BL=30	0E9	1202	DS 15C
02646	009120	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528270000.			DNM=100-26	BL=30	0F8	1217	DS 6P
02647	009130	03 FILLER	PIC X(15)		VALUE	'PHCI			DNM=100-28	BL=30	0FE	1223	DS 15C
02648	009140	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528290000.			DNM=100-29	BL=30	0ED	1238	DS 6P
02649	009150	03 FILLER	PIC X(15)		VALUE	'119 120 123			DNM=100-32	BL=30	0E2	1259	DS 6P
02650	009160	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528290100.			DNM=100-33	BL=30	0E8	1265	DS 15C
02651	009170	03 FILLER	PIC X(15)		VALUE	'PAR4 121 122			DNM=100-35	BL=30	0E7	1280	DS 6P
02652	009180	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528290104.			DNM=100-36	BL=30	0E4	1286	DS 15C
02653	009190	03 FILLER	PIC X(15)		VALUE	'PBD2			DNM=100-37	BL=30	0E3	1301	DS 6P
02654	009200	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528290105.			DNM=100-39	BL=30	0E2	1307	DS 15C
02655	009210	03 FILLER	PIC X(15)		VALUE	'PBB3			DNM=100-40	BL=30	0E1	1322	DS 6P
02656	009220	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528290106.			DNM=100-42	BL=30	0E7	1328	DS 15C
02657	009230	03 FILLER	PIC X(15)		VALUE	'PBB4			DNM=100-43	BL=30	0E6	1343	DS 6P
02658	009240	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528300000.			DNM=100-44	BL=30	0E7C	1349	DS 15C
02659	009250	03 FILLER	PIC X(15)		VALUE	'128 PNVI			DNM=100-46	BL=30	0E8	1364	DS 6P
02660	009260	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528300100.			DNM=100-47	BL=30	0E9	1370	DS 15C
02661	009270	03 FILLER	PIC X(15)		VALUE	'PNV2			DNM=100-49	BL=30	0E0	1385	DS 6P
02662	009280	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528300000.			DNM=101-00	BL=30	0E0	1391	DS 15C
02663	009290	03 FILLER	PIC X(15)		VALUE	'PAR6 137 140			DNM=101-01	BL=30	0E5	1406	DS 6P
02664	009300	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528350300.			DNM=101-02	BL=30	0E8	1412	DS 15C
02665	009310	03 FILLER	PIC X(15)		VALUE	'PDM2			DNM=101-04	BL=30	0E0	1433	DS 6P
02666	009320	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528350400.			DNM=101-05	BL=30	0E0	1433	DS 15C
02667	009330	03 FILLER	PIC X(15)		VALUE	'PAR7 139			DNM=101-07	BL=30	0E0	1448	DS 6P
02668	009340	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528370000.			DNM=101-08	BL=30	0E5	1454	DS 15C
02669	009350	03 FILLER	PIC X(15)		VALUE	'PAR1152 PAR12.			DNM=101-09	BL=30	0E4	1469	DS 6P
02670	009360	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528370100.			DNM=101-11	BL=30	0E4	1475	DS 15C
02671	009370	03 FILLER	PIC X(15)		VALUE	'PAR27			DNM=101-12	BL=30	0F9	1490	DS 6P
02672	009380	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528370200.			DNM=101-14	BL=30	0F0	1496	DS 15C
02673	009390	03 FILLER	PIC X(15)		VALUE	'PAR31			DNM=101-15	BL=30	0F0	1511	DS 6P
02674	009400	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528370201.			DNM=101-16	BL=30	0F2	1517	DS 15C
02675	009410	03 FILLER	PIC X(15)		VALUE	'PAR32			DNM=101-18	BL=30	0F3	1532	DS 6P
02676	009420	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528370300.			DNM=101-19	BL=30	0F3	1538	DS 15C
02677	009430	03 FILLER	PIC X(15)		VALUE	'PAR30			DNM=101-21	BL=30	0F4	1553	DS 6P
02678	009440	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528371100.			DNM=101-22	BL=30	0F4E	1559	DS 15C
02679	009450	03 FILLER	PIC X(15)		VALUE	'PAR26			DNM=101-23	BL=30	0F5	1574	DS 6P
02680	009460	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528371200.			DNM=101-25	BL=30	0F3	1580	DS 15C
02681	009470	03 FILLER	PIC X(15)		VALUE	'PAR1147			DNM=101-26	BL=30	0F2	1595	DS 6P
02682	009480	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528371201.			DNM=101-28	BL=30	0F8	1601	DS 15C
02683	009490	03 FILLER	PIC X(15)		VALUE	'PAR24			DNM=101-29	BL=30	0F7	1616	DS 6P
02684	009500	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528371202.			DNM=101-30	BL=30	0F8	1622	DS 15C
02685	009510	03 FILLER	PIC X(15)		VALUE	'PAR23			DNM=101-32	BL=30	0F9	1637	DS 6P
02686	009520	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528371203.			DNM=101-33	BL=30	0F9C	1643	DS 15C
02687	009530	03 FILLER	PIC X(15)		VALUE	'PAR13148			DNM=101-35	BL=30	0F1	1658	DS 6P
02688	009540	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528390100.			DNM=101-36	BL=30	0F7	1664	DS 15C
02689	009550	03 FILLER	PIC X(15)		VALUE	'PAR25							

57	MM100	10-43-12	APR 3-1984	INT NAME	BASE	DISP	RL01	DEFINITION
02690	009560	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528390101.		
02691	009570	03 FILLER	PIC 9(10)	COMP-3	VALUE	PAR16		
02692	009580	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528400000.		
02693	009590	03 FILLER	PIC 9(10)	COMP-3	VALUE	A9 A13 A15		
02694	009600	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528400200.		
02695	009610	03 FILLER	PIC 9(10)	COMP-3	VALUE	A1		
02696	009620	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528400201.		
02697	009630	03 FILLER	PIC 9(10)	COMP-3	VALUE	A2 S86		
02698	009640	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528400300.		
02699	009650	03 FILLER	PIC 9(10)	COMP-3	VALUE	A3		
02700	009660	03 FILLER	PIC 9(10)	COMP-3	VALUE	A4 A5		
02701	009670	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528400400.		
02702	009680	03 FILLER	PIC 9(10)	COMP-3	VALUE	A6 A8		
02703	009690	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528400502.		
02704	009700	03 FILLER	PIC 9(10)	COMP-3	VALUE	A7		
02705	009710	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528400600.		
02706	009720	03 FILLER	PIC 9(10)	COMP-3	VALUE	A16		
02707	009730	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528400700.		
02708	009740	03 FILLER	PIC 9(10)	COMP-3	VALUE	A10 A11 S87		
02709	009750	03 FILLER	PIC 9(10)	COMP-3	VALUE	A12		
02710	009760	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528400800.		
02711	009770	03 FILLER	PIC 9(10)	COMP-3	VALUE	A14		
02712	009780	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528410000.		
02713	009790	03 FILLER	PIC 9(10)	COMP-3	VALUE	A52		
02714	009800	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528410100.		
02715	009810	03 FILLER	PIC 9(10)	COMP-3	VALUE	A53		
02716	009820	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528410200.		
02717	009830	03 FILLER	PIC 9(10)	COMP-3	VALUE	A54 A55 S91		
02718	009840	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528410300.		
02719	009850	03 FILLER	PIC 9(10)	COMP-3	VALUE	A58 A59 S93		
02720	009860	03 FILLER	PIC 9(10)	COMP-3	VALUE	0528410400.		
02721	009870	03 FILLER	PIC 9(10)	COMP-3	VALUE	A56 A57 S92		
02722	009880	03 FILLER	PIC 9(10)	COMP-3	VALUE	R13 S97		
02723	009890	03 FILLER	PIC 9(10)	COMP-3	VALUE	0529010000.		
02724	009900	03 FILLER	PIC 9(10)	COMP-3	VALUE	B10		
02725	009910	03 FILLER	PIC 9(10)	COMP-3	VALUE	0529040000.		
02726	009920	03 FILLER	PIC 9(10)	COMP-3	VALUE	R11 R12 S96		
02727	009930	03 FILLER	PIC 9(10)	COMP-3	VALUE	B19 S99		
02728	009940	03 FILLER	PIC 9(10)	COMP-3	VALUE	0531000000.		
02729	009950	03 FILLER	PIC 9(10)	COMP-3	VALUE	R22 S98		
02730	009960	03 FILLER	PIC 9(10)	COMP-3	VALUE	0531010000.		
02731	009970	03 FILLER	PIC 9(10)	COMP-3	VALUE	B20 B21 S95		
02732	009980	03 FILLER	PIC 9(10)	COMP-3	VALUE	0532000000.		
02733	010000	03 FILLER	PIC 9(10)	COMP-3	VALUE	R33 S85 S94		
02734	010010	03 FILLER	PIC 9(10)	COMP-3	VALUE	0532010000.		
02735	010020	03 FILLER	PIC 9(10)	COMP-3	VALUE	B30 S84		
02736	010030	03 FILLER	PIC 9(10)	COMP-3	VALUE	0532020000.		
02737	010040	03 FILLER	PIC 9(10)	COMP-3	VALUE	B31		
02738	010050	03 FILLER	PIC 9(10)	COMP-3	VALUE			
02739	010060	03 FILLER	PIC 9(10)	COMP-3	VALUE			
02740	010070	03 FILLER	PIC 9(10)	COMP-3	VALUE			
02741	010080	03 FILLER	PIC 9(10)	COMP-3	VALUE			
02742	010090	03 FILLER	PIC 9(10)	COMP-3	VALUE			
02743	010100	03 FILLER	PIC 9(10)	COMP-3	VALUE			

58 NM100 10-43-12 APR 3-1984

INT NAME

BASE

DISP

RL01

DEFINITION

02744 010100 03 FILLER PIC X(10) COMP-3 VALUE 0532030000. 2246 05 6P

02745 010110 03 FILLER PIC X(15) COMP-3 VALUE 032 2252 05 15C

02746 010120 03 FILLER PIC X(10) COMP-3 VALUE 0532040000. 2267 05 6P

02747 010130 03 FILLER PIC X(15) COMP-3 VALUE 039 2273 05 15C

02748 010140 03 FILLER PIC X(10) COMP-3 VALUE 0533000000. 2288 05 6P

02749 010150 03 FILLER PIC X(15) COMP-3 VALUE 041 842 846 2294 05 15C

02750 010160 03 FILLER PIC X(10) COMP-3 VALUE 0533010000. 2309 05 6P

02751 010170 03 FILLER PIC X(15) COMP-3 VALUE 049 2315 05 15C

02752 010180 03 FILLER PIC X(10) COMP-3 VALUE 0533020000. 2330 05 6P

02753 010190 03 FILLER PIC X(15) COMP-3 VALUE 085 2336 05 15C

02754 010200 03 FILLER PIC X(10) COMP-3 VALUE 039 2351 05 6P

02755 010210 03 FILLER PIC X(15) COMP-3 VALUE 045 2357 05 15C

02756 010220 03 FILLER PIC X(10) COMP-3 VALUE 0533040000. 2372 05 6P

02757 010230 03 FILLER PIC X(15) COMP-3 VALUE 043 844 881 2378 05 15C

02758 010240 03 FILLER PIC X(10) COMP-3 VALUE 0533050000. 2393 05 6P

02759 010250 03 FILLER PIC X(15) COMP-3 VALUE 040 582 2399 05 15C

02760 010260 03 FILLER PIC X(10) COMP-3 VALUE 0534000000. 2414 05 6P

02761 010270 03 FILLER PIC X(15) COMP-3 VALUE 03 M20 M5 2420 05 15C

02762 010280 03 FILLER PIC X(10) COMP-3 VALUE 0534010000. 2435 05 6P

02763 010290 03 FILLER PIC X(15) COMP-3 VALUE 037 2441 05 15C

02764 010300 03 FILLER PIC X(10) COMP-3 VALUE 0534020000. 2456 05 6P

02765 010310 03 FILLER PIC X(15) COMP-3 VALUE 036 2462 05 15C

02766 010320 03 FILLER PIC X(10) COMP-3 VALUE 0534030000. 2477 05 6P

02767 010330 03 FILLER PIC X(15) COMP-3 VALUE 038 579 2483 05 15C

02768 010340 03 FILLER PIC X(10) COMP-3 VALUE 0534030400. 2498 05 6P

02769 010350 03 FILLER PIC X(15) COMP-3 VALUE 035 580 2504 05 15C

02770 010360 03 FILLER PIC X(10) COMP-3 VALUE 0534050000. 2519 05 6P

02771 010370 03 FILLER PIC X(15) COMP-3 VALUE 034 02 2525 05 15C

02772 010380 03 FILLER PIC X(10) COMP-3 VALUE 0534050100. 2540 05 6P

02773 010390 03 FILLER PIC X(15) COMP-3 VALUE 033 2546 05 15C

02774 010400 03 FILLER PIC X(10) COMP-3 VALUE 0534060000. 2561 05 6P

02775 010410 03 FILLER PIC X(15) COMP-3 VALUE 0534060100. 2567 05 15C

02776 010420 03 FILLER PIC X(10) COMP-3 VALUE 030 2582 05 6P

02777 010430 03 FILLER PIC X(15) COMP-3 VALUE 030 2588 05 15C

02778 010440 03 FILLER PIC X(10) COMP-3 VALUE 0534100000. 2603 05 6P

02779 010450 03 FILLER PIC X(15) COMP-3 VALUE 031 012 A01 2609 05 15C

02780 010460 03 FILLER PIC X(10) COMP-3 VALUE 0534100100. 2624 05 6P

02781 010470 03 FILLER PIC X(15) COMP-3 VALUE 030 001C 002C 003C 2630 05 15C

02782 010480 03 FILLER PIC X(10) COMP-3 VALUE 0534100200. 2645 05 6P

02783 010490 03 FILLER PIC X(15) COMP-3 VALUE 030 011C 012C 2651 05 15C

02784 010500 03 FILLER PIC X(10) COMP-3 VALUE 0534110000. 2666 05 6P

02785 010510 03 FILLER PIC X(15) COMP-3 VALUE 031 2672 05 15C

02786 010520 03 FILLER PIC X(10) COMP-3 VALUE 0534110100. 2687 05 6P

02787 010530 03 FILLER PIC X(15) COMP-3 VALUE 032 2693 05 15C

02788 010540 03 FILLER PIC X(10) COMP-3 VALUE 0534130000. 2708 05 6P

02789 010550 03 FILLER PIC X(15) COMP-3 VALUE 031 2714 05 15C

02790 010560 03 FILLER PIC X(10) COMP-3 VALUE 0534130100. 2729 05 6P

02791 010570 03 FILLER PIC X(15) COMP-3 VALUE 031 2735 05 15C

02792 010580 03 FILLER PIC X(10) COMP-3 VALUE 0534150000. 2750 05 6P

02793 010590 03 FILLER PIC X(15) COMP-3 VALUE 031 0312 0314 0318 2756 05 15C

02794 010600 03 FILLER PIC X(10) COMP-3 VALUE 0534150100. 2771 05 6P

02795 010610 03 FILLER PIC X(15) COMP-3 VALUE 031 410 2777 05 15C

02796 010620 03 FILLER PIC X(10) COMP-3 VALUE 0534160000. 2792 05 6P

02797 010630 03 FILLER PIC X(15) COMP-3 VALUE 031 411 2798 05 15C

59	WM100	10.43.12	APR 3, 1984	INT NAME	BASE	DISP	RL01	DEFINITION
02798	010640	03 FILLER	PIC 9(10)	COMP-3	VALUE	0534170000.	BL=31 434	2813 DS 6P
02799	010650	03 FILLER	PIC 9(15)	COMP-3	VALUE	0534170000.	BL=31 434	2819 US 15C
02800	010660	03 FILLER	PIC 9(10)	COMP-3	VALUE	0534190000.	BL=31 449	2834 DS 6P
02801	010670	03 FILLER	PIC 9(15)	COMP-3	VALUE	0534190000.	BL=31 449	2840 DS 15C
02802	010680	03 FILLER	PIC 9(10)	COMP-3	VALUE	0534200000.	BL=31 456	2855 DS 6P
02803	010690	03 FILLER	PIC 9(15)	COMP-3	VALUE	0534200000.	BL=31 456	2861 DS 15C
02804	010700	03 FILLER	PIC 9(10)	COMP-3	VALUE	0534200200.	BL=31 473	2876 DS 6P
02805	010710	03 FILLER	PIC 9(15)	COMP-3	VALUE	0534200200.	BL=31 473	2882 DS 15C
02806	010720	03 FILLER	PIC 9(10)	COMP-3	VALUE	0534200300.	BL=31 488	2897 DS 6P
02807	010730	03 FILLER	PIC 9(15)	COMP-3	VALUE	0534200300.	BL=31 488	2903 DS 15C
02808	010740	03 FILLER	PIC 9(10)	COMP-3	VALUE	0534210000.	BL=31 490	2918 DS 6P
02809	010750	03 FILLER	PIC 9(15)	COMP-3	VALUE	0534210000.	BL=31 490	2924 DS 15C
02810	010760	03 FILLER	PIC 9(10)	COMP-3	VALUE	0534210102.	BL=31 482	2939 DS 6P
02811	010770	03 FILLER	PIC 9(15)	COMP-3	VALUE	0534210102.	BL=31 482	2945 DS 15C
02812	010780	03 FILLER	PIC 9(10)	COMP-3	VALUE	0534210204.	BL=31 407	2960 DS 6P
02813	010790	03 FILLER	PIC 9(15)	COMP-3	VALUE	0534210204.	BL=31 407	2966 DS 15C
02814	010800	03 FILLER	PIC 9(10)	COMP-3	VALUE	0534210300.	BL=31 402	2981 DS 6P
02815	010810	03 FILLER	PIC 9(15)	COMP-3	VALUE	0534210300.	BL=31 402	2987 DS 15C
02816	010820	03 FILLER	PIC 9(10)	COMP-3	VALUE	0534210300.	BL=31 491	3002 DS 6P
02817	010830	03 FILLER	PIC 9(15)	COMP-3	VALUE	0534210300.	BL=31 491	3008 DS 15C
02818	010840	03 FILLER	PIC 9(10)	COMP-3	VALUE	0534210302.	BL=31 506	3023 DS 6P
02819	010850	03 FILLER	PIC 9(15)	COMP-3	VALUE	0534210302.	BL=31 506	3029 DS 15C
02820	010860	03 FILLER	PIC 9(10)	COMP-3	VALUE	0534250000.	BL=31 518	3044 DS 6P
02821	010870	03 FILLER	PIC 9(15)	COMP-3	VALUE	0534250000.	BL=31 521	3050 DS 15C
02822	010880	03 FILLER	PIC 9(10)	COMP-3	VALUE	0534260000.	BL=31 530	3065 DS 6P
02823	010890	03 FILLER	PIC 9(15)	COMP-3	VALUE	0534260000.	BL=31 530	3071 DS 15C
02824	010900	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535000100.	BL=31 545	3086 DS 6P
02825	010910	03 FILLER	PIC 9(15)	COMP-3	VALUE	0535000100.	BL=31 545	3092 DS 15C
02826	010920	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535000200.	BL=31 554	3107 DS 6P
02827	010930	03 FILLER	PIC 9(15)	COMP-3	VALUE	0535000200.	BL=31 560	3113 DS 15C
02828	010940	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535000300.	BL=31 569	3128 DS 6P
02829	010950	03 FILLER	PIC 9(15)	COMP-3	VALUE	0535000300.	BL=31 575	3134 DS 15C
02830	010960	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535020000.	BL=31 584	3149 DS 6P
02831	010970	03 FILLER	PIC 9(15)	COMP-3	VALUE	0535020000.	BL=31 584	3155 DS 15C
02832	010980	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535030000.	BL=31 599	3170 DS 6P
02833	010990	03 FILLER	PIC 9(15)	COMP-3	VALUE	0535030000.	BL=31 599	3176 DS 15C
02834	011000	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535030300.	BL=31 54E	3191 DS 6P
02835	011010	03 FILLER	PIC 9(15)	COMP-3	VALUE	0535030300.	BL=31 584	3197 DS 15C
02836	011020	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535030600.	BL=31 5C3	3

10-43.12

APR 3, 1984

NM100

60

INT NAME

BASE

DISP

RLO1

DEFINITION

02852	011180	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535060000.	DNM=106-12	81=31 668	3380	DS 6P
02853	011190	03 FILLER	PIC 9(10)	COMP-3	VALUE	F3D F3N	DNM=106-14	81=31 671	3386	DS 15C
02854	011200	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535070000.	DNM=106-15	81=31 680	3401	DS 6P
02855	011210	03 FILLER	PIC 9(10)	COMP-3	VALUE	F4 558	DNM=106-16	81=31 686	3407	DS 15C
02856	011220	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535080000.	DNM=106-18	81=31 695	3422	DS 6P
02857	011230	03 FILLER	PIC 9(10)	COMP-3	VALUE	F13 F14 NGC1 *	DNM=106-19	81=31 698	3428	DS 15C
02858	011240	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535080200.	DNM=106-21	81=31 6AA	3443	DS 6P
02859	011250	03 FILLER	PIC 9(10)	COMP-3	VALUE	F10 F11 NGC2 *	DNM=106-22	81=31 680	3449	DS 15C
02860	011260	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535080300.	DNM=106-23	81=31 68F	3454	DS 6P
02861	011270	03 FILLER	PIC 9(10)	COMP-3	VALUE	F12 NGC3	DNM=106-25	81=31 6C5	3470	DS 15C
02862	011280	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535080500.	DNM=106-26	81=31 6D4	3485	DS 6P
02863	011290	03 FILLER	PIC 9(10)	COMP-3	VALUE	F15	DNM=106-28	81=31 6DA	3491	DS 15C
02864	011300	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535090000.	DNM=106-29	81=31 6E9	3506	DS 6P
02865	011310	03 FILLER	PIC 9(10)	COMP-3	VALUE	F21 F22 NDC1 *	DNM=106-30	81=31 6EF	3512	DS 15C
02866	011320	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535090100.	DNM=106-32	81=31 6FE	3527	DS 6P
02867	011330	03 FILLER	PIC 9(10)	COMP-3	VALUE	F20	DNM=106-33	81=31 704	3533	DS 15C
02868	011340	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535090200.	DNM=106-35	81=31 713	3548	DS 6P
02869	011350	03 FILLER	PIC 9(10)	COMP-3	VALUE	NDC2	DNM=106-36	81=31 719	3554	DS 15C
02870	011360	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535100000.	DNM=106-37	81=31 728	3569	DS 6P
02871	011370	03 FILLER	PIC 9(10)	COMP-3	VALUE	428 429S NR8S *	DNM=106-39	81=31 72E	3575	DS 15C
02872	011380	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535110000.	DNM=106-40	81=31 730	3590	DS 6P
02873	011390	03 FILLER	PIC 9(10)	COMP-3	VALUE	426 427 NR6 *	DNM=106-42	81=31 743	3596	DS 15C
02874	011400	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535120000.	DNM=106-43	81=31 752	3611	DS 6P
02875	011410	03 FILLER	PIC 9(10)	COMP-3	VALUE	424 425 L4 *	DNM=106-44	81=31 758	3617	DS 15C
02876	011420	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535130000.	DNM=106-46	81=31 767	3632	DS 6P
02877	011430	03 FILLER	PIC 9(10)	COMP-3	VALUE	423 L5 NNC1 *	DNM=106-47	81=31 760	3638	DS 15C
02878	011440	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535140000.	DNM=106-49	81=31 77C	3653	DS 6P
02879	011450	03 FILLER	PIC 9(10)	COMP-3	VALUE	419 NR2 NDK1 *	DNM=107-00	81=31 782	3659	DS 15C
02880	011460	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535150000.	DNM=107-01	81=31 791	3674	DS 6P
02881	011470	03 FILLER	PIC 9(10)	COMP-3	VALUE	431 433 K4 *	DNM=107-02	81=31 797	3680	DS 15C
02882	011480	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535150100.	DNM=107-04	81=31 7A6	3695	DS 6P
02883	011490	03 FILLER	PIC 9(10)	COMP-3	VALUE	NR10	DNM=107-05	81=31 7AC	3701	DS 15C
02884	011500	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535150200.	DNM=107-07	81=31 7B8	3716	DS 6P
02885	011510	03 FILLER	PIC 9(10)	COMP-3	VALUE	432 NSC1	DNM=107-08	81=31 7C1	3722	DS 15C
02886	011520	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535150300.	DNM=107-09	81=31 7D0	3737	DS 6P
02887	011530	03 FILLER	PIC 9(10)	COMP-3	VALUE	NSC2	DNM=107-11	81=31 7D6	3743	DS 15C
02888	011540	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535150400.	DNM=107-12	81=31 7E5	3758	DS 6P
02889	011550	03 FILLER	PIC 9(10)	COMP-3	VALUE	NSC3	DNM=107-14	81=31 7EB	3764	DS 15C
02890	011560	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535160000.	DNM=107-15	81=31 7FA	3779	DS 6P
02891	011570	03 FILLER	PIC 9(10)	COMP-3	VALUE	435 436 NR11 *	DNM=107-16	81=31 800	3785	DS 15C
02892	011580	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535160300.	DNM=107-18	81=31 80F	3800	DS 6P
02893	011590	03 FILLER	PIC 9(10)	COMP-3	VALUE	NRG2	DNM=107-19	81=31 815	3806	DS 15C
02894	011600	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535170000.	DNM=107-21	81=31 824	3821	DS 6P
02895	011610	03 FILLER	PIC 9(10)	COMP-3	VALUE	H2 H3 H5 *	DNM=107-22	81=31 82A	3827	DS 15C
02896	011620	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535170100.	DNM=107-23	81=31 839	3842	DS 6P
02897	011630	03 FILLER	PIC 9(10)	COMP-3	VALUE	H1	DNM=107-25	81=31 83F	3848	DS 15C
02898	011640	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535170200.	DNM=107-26	81=31 84E	3863	DS 6P
02899	011650	03 FILLER	PIC 9(10)	COMP-3	VALUE	S3	DNM=107-28	81=31 854	3869	DS 15C
02900	011660	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535170300.	DNM=107-29	81=31 863	3884	DS 6P
02901	011670	03 FILLER	PIC 9(10)	COMP-3	VALUE	H4	DNM=107-30	81=31 869	3890	DS 15C
02902	011680	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535170400.	DNM=107-32	81=31 878	3905	DS 6P
02903	011690	03 FILLER	PIC 9(10)	COMP-3	VALUE	NRG1	DNM=107-33	81=31 87E	3911	DS 15C
02904	011700	03 FILLER	PIC 9(10)	COMP-3	VALUE	0535200000.	DNM=107-35	81=31 880	3926	DS 6P
02905	011710	03 FILLER	PIC 9(10)	COMP-3	VALUE	G21 G22 122 *	DNM=107-36	81=31 893	3932	DS 15C

61	INT NAME	BASE	DISP	RLOI	DEFINITION
02906	03 FILLER PIC 9(10) COMP-3	VALUE	0535200100.		
02907	03 FILLER PIC X(15)	VALUE	*S24		
02908	03 FILLER PIC X(15) COMP-3	VALUE	0535200500.		
02909	03 FILLER PIC X(15)	VALUE	*S22		
02910	03 FILLER PIC 9(10) COMP-3	VALUE	0535200600.		
02911	03 FILLER PIC X(15)	VALUE	*G20 I21		
02912	03 FILLER PIC 9(10) COMP-3	VALUE	0535200701.		
02913	03 FILLER PIC X(15)	VALUE	*G19 S26		
02914	03 FILLER PIC 9(10) COMP-3	VALUE	0535220000.		
02915	03 FILLER PIC X(15)	VALUE	*NSR1 G13		
02916	03 FILLER PIC 9(10) COMP-3	VALUE	0535220100.		
02917	03 FILLER PIC X(15)	VALUE	*G15		
02918	03 FILLER PIC 9(10) COMP-3	VALUE	0535220200.		
02919	03 FILLER PIC X(15)	VALUE	*I11 G16		
02920	03 FILLER PIC 9(10) COMP-3	VALUE	0535220300.		
02921	03 FILLER PIC X(15)	VALUE	*G11		
02922	03 FILLER PIC 9(10) COMP-3	VALUE	0535220400.		
02923	03 FILLER PIC X(15)	VALUE	*G12		
02924	03 FILLER PIC 9(10) COMP-3	VALUE	0535220500.		
02925	03 FILLER PIC X(15)	VALUE	*I13 G10		
02926	03 FILLER PIC 9(10) COMP-3	VALUE	0535220600.		
02927	03 FILLER PIC X(15)	VALUE	*G14 S27		
02928	03 FILLER PIC 9(10) COMP-3	VALUE	0535240000.		
02929	03 FILLER PIC X(15)	VALUE	*G4 G1 S39		
02930	03 FILLER PIC 9(10) COMP-3	VALUE	0535240400.		
02931	03 FILLER PIC X(15)	VALUE	*G2		
02932	03 FILLER PIC 9(10) COMP-3	VALUE	0535240500.		
02933	03 FILLER PIC X(15)	VALUE	*S38		
02934	03 FILLER PIC 9(10) COMP-3	VALUE	0535240600.		
02935	03 FILLER PIC X(15)	VALUE	*G3 S28		
02936	03 FILLER PIC 9(10) COMP-3	VALUE	0535240700.		
02937	03 FILLER PIC X(15)	VALUE	0535250000.		
02938	03 FILLER PIC 9(10) COMP-3	VALUE	*412 NSW1 NSW2		
02939	03 FILLER PIC X(15)	VALUE	0535250100.		
02940	03 FILLER PIC 9(10) COMP-3	VALUE	*NSW6 NSW7 NSW8		
02941	03 FILLER PIC X(15)	VALUE	0535260000.		
02942	03 FILLER PIC 9(10) COMP-3	VALUE	*4055 NPK1 NPK2		
02943	03 FILLER PIC X(15)	VALUE	0535270000.		
02944	03 FILLER PIC 9(10) COMP-3	VALUE	*NT01 NT02 NT03		
02945	03 FILLER PIC X(15)	VALUE	*NTAL		
02946	03 FILLER PIC 9(10) COMP-3	VALUE	0535290000.		
02947	03 FILLER PIC X(15)	VALUE	*NBAT NBA2 NBA3		
02948	03 FILLER PIC 9(10) COMP-3	VALUE	0535300000.		
02949	03 FILLER PIC X(15)	VALUE	*500 501 502		
02950	03 FILLER PIC 9(10) COMP-3	VALUE	0535300100.		
02951	03 FILLER PIC X(15)	VALUE	*513 514 TBR1		
02952	03 FILLER PIC 9(10) COMP-3	VALUE	0535300300.		
02953	03 FILLER PIC X(15)	VALUE	*TREL		
02954	03 FILLER PIC 9(10) COMP-3	VALUE	0535300800.		
02955	03 FILLER PIC X(15)	VALUE	*TISI TIS2		
02956	03 FILLER PIC 9(10) COMP-3	VALUE	0535301400.		
02957	03 FILLER PIC X(15)	VALUE	*TM11 TH12		
02958	03 FILLER PIC 9(10) COMP-3	VALUE			
02959	03 FILLER PIC X(15)	VALUE			

62 NM100 10.43.12 APR 3.1984

INT NAME BASE DISP RLOI DEFINITION

02960	012260	03 FILLER	PIC 9(110)	COMP-3	VALUE	0535301600.	•	DNM=109-12	BL=31-AD9	4514	DS 6P
02961	012270	03 FILLER	PIC 9(115)	COMP-3	VALUE	0535301700.	•	DNM=109-14	BL=31-ADF	4520	DS 15C
02962	012280	03 FILLER	PIC 9(110)	COMP-3	VALUE	0535301700.	•	DNM=109-15	BL=31-AEE	4535	DS 6P
02963	012290	03 FILLER	PIC 9(115)	COMP-3	VALUE	0535301900.	•	DNM=109-16	BL=31-AF4	4541	DS 15C
02964	012300	03 FILLER	PIC 9(110)	COMP-3	VALUE	0535301900.	•	DNM=109-18	BL=31-B03	4556	DS 6P
02965	012310	03 FILLER	PIC 9(115)	COMP-3	VALUE	0535302000.	•	DNM=109-19	BL=31-B09	4562	DS 15C
02966	012320	03 FILLER	PIC 9(110)	COMP-3	VALUE	0535302000.	•	DNM=109-21	BL=31-B18	4577	DS 6P
02967	012330	03 FILLER	PIC 9(115)	COMP-3	VALUE	0535302200.	•	DNM=109-22	BL=31-B1E	4583	DS 15C
02968	012340	03 FILLER	PIC 9(110)	COMP-3	VALUE	0535302200.	•	DNM=109-23	BL=31-B2D	4598	DS 6P
02969	012350	03 FILLER	PIC 9(115)	COMP-3	VALUE	0535302300.	•	DNM=109-25	BL=31-B33	4604	DS 15C
02970	012360	03 FILLER	PIC 9(110)	COMP-3	VALUE	0535302300.	•	DNM=109-26	BL=31-B42	4619	DS 6P
02971	012370	03 FILLER	PIC 9(115)	COMP-3	VALUE	0535302500.	•	DNM=109-28	BL=31-B48	4625	DS 15C
02972	012380	03 FILLER	PIC 9(110)	COMP-3	VALUE	0535302500.	•	DNM=109-29	BL=31-B57	4640	DS 6P
02973	012390	03 FILLER	PIC 9(115)	COMP-3	VALUE	0535303200.	•	DNM=109-30	BL=31-B5D	4646	DS 15C
02974	012400	03 FILLER	PIC 9(110)	COMP-3	VALUE	0535303200.	•	DNM=109-32	BL=31-B6C	4661	DS 6P
02975	012410	03 FILLER	PIC 9(115)	COMP-3	VALUE	0535303300.	•	DNM=109-33	BL=31-B72	4667	DS 15C
02976	012420	03 FILLER	PIC 9(110)	COMP-3	VALUE	0535303300.	•	DNM=109-35	BL=31-B81	4682	DS 6P
02977	012430	03 FILLER	PIC 9(115)	COMP-3	VALUE	053530340000.	•	DNM=109-36	BL=31-B87	4688	DS 15C
02978	012440	03 FILLER	PIC 9(110)	COMP-3	VALUE	053530340000.	•	DNM=109-37	BL=31-B96	4703	DS 6P
02979	012450	03 FILLER	PIC 9(115)	COMP-3	VALUE	053530350000.	•	DNM=109-39	BL=31-B9C	4709	DS 15C
02980	012460	03 FILLER	PIC 9(110)	COMP-3	VALUE	053530350000.	•	DNM=109-40	BL=31-BAB	4724	DS 6P
02981	012470	03 FILLER	PIC 9(115)	COMP-3	VALUE	053530360000.	•	DNM=109-42	BL=31-B81	4730	DS 15C
02982	012480	03 FILLER	PIC 9(110)	COMP-3	VALUE	053530360000.	•	DNM=109-43	BL=31-B8C	4745	DS 6P
02983	012490	03 FILLER	PIC 9(115)	COMP-3	VALUE	053530370000.	•	DNM=109-44	BL=31-B86	4751	DS 15C
02984	012500	03 FILLER	PIC 9(110)	COMP-3	VALUE	053530370000.	•	DNM=109-46	BL=31-B05	4766	DS 6P
02985	012510	03 FILLER	PIC 9(115)	COMP-3	VALUE	053530380000.	•	DNM=109-47	BL=31-B08	4772	DS 15C
02986	012520	03 FILLER	PIC 9(110)	COMP-3	VALUE	053530380000.	•	DNM=109-49	BL=31-BEA	4787	DS 6P
02987	012530	03 FILLER	PIC 9(115)	COMP-3	VALUE	053530390000.	•	DNM=110-00	BL=31-BFF	4793	DS 15C
02988	012540	03 FILLER	PIC 9(110)	COMP-3	VALUE	053530390000.	•	DNM=110-01	BL=31-BFF	4808	DS 6P
02989	012550	03 FILLER	PIC 9(115)	COMP-3	VALUE	053530400000.	•	DNM=110-02	BL=31-C05	4814	DS 15C
02990	012560	03 FILLER	PIC 9(110)	COMP-3	VALUE	053530400000.	•	DNM=110-04	BL=31-C14	4829	DS 6P
02991	012570	03 FILLER	PIC 9(115)	COMP-3	VALUE	053530400000.	•	DNM=110-05	BL=31-C1A	4835	DS 15C
02992	012580	03 FILLER	PIC 9(110)	COMP-3	VALUE	053530400000.	•	DNM=110-07	BL=31-C29	4850	DS 6P
02993	012590	03 FILLER	PIC 9(115)	COMP-3	VALUE	053530400000.	•	DNM=110-08	BL=31-C2F	4856	DS 15C
02994	012600	03 FILLER	PIC 9(110)	COMP-3	VALUE	053530400000.	•	DNM=110-09	BL=31-C3E	4871	DS 6P
02995	012610	03 FILLER	PIC 9(115)	COMP-3	VALUE	053530400000.	•	DNM=110-11	BL=31-C44	4877	DS 15C
02996	012620	03 FILLER	PIC 9(110)	COMP-3	VALUE	053530400000.	•	DNM=110-12	BL=31-C53	4892	DS 6P
02997	012630	03 FILLER	PIC 9(115)	COMP-3	VALUE	053530400000.	•	DNM=110-14	BL=31-C59	4898	DS 15C
02998	012640	03 FILLER	PIC 9(110)	COMP-3	VALUE	053530400000.	•	DNM=110-15	BL=31-C68	4913	DS 6P
02999	012650	03 FILLER	PIC 9(115)	COMP-3	VALUE	053530400000.	•	DNM=110-16	BL=31-C6E	4919	DS 15C
03000	012660	03 FILLER	PIC 9(110)	COMP-3	VALUE	053530400000.	•	DNM=110-18	BL=31-C7D	4934	DS 6P
03001	012670	03 FILLER	PIC 9(115)	COMP-3	VALUE	053530400000.	•	DNM=110-19	BL=31-C83	4940	DS 15C
03002	012680	03 FILLER	PIC 9(110)	COMP-3	VALUE	053530400000.	•	DNM=110-21	BL=31-C92	4955	DS 6P
03003	012690	03 FILLER	PIC 9(115)	COMP-3	VALUE	053530400000.	•	DNM=110-22	BL=31-C98	4961	DS 15C
03004	012700	03 FILLER	PIC 9(110)	COMP-3	VALUE	053530400000.	•	DNM=110-23	BL=31-C97	4976	DS 6P
03005	012710	03 FILLER	PIC 9(115)	COMP-3	VALUE	053530400000.	•	DNM=110-25	BL=31-CAD	4982	DS 15C
03006	012720	03 FILLER	PIC 9(110)	COMP-3	VALUE	053530400000.	•	DNM=110-26	BL=31-CBC	4997	DS 6P
03007	012730	03 FILLER	PIC 9(115)	COMP-3	VALUE	053530400000.	•	DNM=110-28	BL=31-CC2	5003	DS 15C
03008	012740	03 FILLER	PIC 9(110)	COMP-3	VALUE	053530400000.	•	DNM=110-29	BL=31-CD1	5018	DS 6P
03009	012750	03 FILLER	PIC 9(115)	COMP-3	VALUE	053530400000.	•	DNM=110-30	BL=31-CD7	5024	DS 15C
03010	012760	03 FILLER	PIC 9(110)	COMP-3	VALUE	053530400000.	•	DNM=110-32	BL=31-CE6	5039	DS 6P
03011	012770	03 FILLER	PIC 9(115)	COMP-3	VALUE	053530400000.	•	DNM=110-33	BL=31-CEC	5045	DS 15C
03012	012780	03 FILLER	PIC 9(110)	COMP-3	VALUE	053530400000.	•	DNM=110-35	BL=31-CF8	5060	DS 6P
03013	012790	03 FILLER	PIC 9(115)	COMP-3	VALUE	053530400000.	•	DNM=110-36	BL=31-CH1	5066	DS 15C

63	NW100	10-43-12	APR 3, 1984	INT NAME	BASE	DISP	RL01	DEFINITION
03014	012800	03 FILLER	PIC 9(110)	COMP-3	VALUE	05356600100.		
03015	012810	03 FILLER	PIC X(115)		VALUE	'NM15	81=31 D10	5081 OS 6P
03016	012820	03 FILLER	PIC 9(110)	COMP-3	VALUE	05356400000.	81=31 D16	5087 OS 15C
03017	012830	03 FILLER	PIC X(115)		VALUE	'NBL1	81=31 D25	5102 OS 6P
03018	012840	03 FILLER	PIC 9(110)	COMP-3	VALUE	05356600000.	81=31 D28	5108 OS 15C
03019	012850	03 FILLER	PIC X(115)		VALUE	'NMD1	81=31 D3A	5123 OS 6P
03020	012860	03 FILLER	PIC 9(110)	COMP-3	VALUE	05356601000.	81=31 D4F	5129 OS 15C
03021	012870	03 FILLER	PIC X(115)		VALUE	'NMD7	81=31 D55	5144 OS 6P
03022	012880	03 FILLER	PIC 9(110)	COMP-3	VALUE	05370000000.	81=31 D6A	5150 OS 15C
03023	012890	03 FILLER	PIC X(115)		VALUE	'J30 M17	81=31 D64	5165 OS 6P
03024	012900	03 FILLER	PIC 9(110)	COMP-3	VALUE	05370100000.	81=31 D79	5171 OS 15C
03025	012910	03 FILLER	PIC X(115)		VALUE	'J11 J12	81=31 D7E	5186 OS 6P
03026	012920	03 FILLER	PIC 9(110)	COMP-3	VALUE	05370300000.	81=31 D8E	5192 OS 15C
03027	012930	03 FILLER	PIC X(115)		VALUE	'J1 J3	81=31 D8E	5207 OS 6P
03028	012940	03 FILLER	PIC 9(110)	COMP-3	VALUE	05370301000.	81=31 D93	5213 OS 15C
03029	012950	03 FILLER	PIC X(115)		VALUE	'J2	81=31 D99	5228 OS 6P
03030	012960	03 FILLER	PIC 9(110)	COMP-3	VALUE	05370302000.	81=31 D88	5234 OS 15C
03031	012970	03 FILLER	PIC X(115)		VALUE	'CC9 S30	81=31 D8E	5249 OS 6P
03032	012980	03 FILLER	PIC 9(110)	COMP-3	VALUE	05370400000.	81=31 D03	5255 OS 15C
03033	012990	03 FILLER	PIC X(115)		VALUE	'J11 J12	81=31 D03	5270 OS 6P
03034	013000	03 FILLER	PIC 9(110)	COMP-3	VALUE	05370401000.	81=31 D02	5276 OS 15C
03035	013010	03 FILLER	PIC X(115)		VALUE	'J10	81=31 D08	5291 OS 6P
03036	013020	03 FILLER	PIC 9(110)	COMP-3	VALUE	05370401000.	81=31 D07	5297 OS 15C
03037	013030	03 FILLER	PIC X(115)		VALUE	'J10 S33	81=31 D0F	5312 OS 6P
03038	013040	03 FILLER	PIC 9(110)	COMP-3	VALUE	05370500000.	81=31 D0C	5318 OS 15C
03039	013050	03 FILLER	PIC X(115)		VALUE	'J13	81=31 E0C	5333 OS 6P
03040	013060	03 FILLER	PIC 9(110)	COMP-3	VALUE	05370600000.	81=31 E12	5339 OS 15C
03041	013070	03 FILLER	PIC X(115)		VALUE	'J21 J20	81=31 E21	5354 OS 6P
03042	013080	03 FILLER	PIC 9(110)	COMP-3	VALUE	06000000000.	81=31 E36	5360 OS 15C
03043	013090	03 FILLER	PIC X(115)		VALUE	'S2	81=31 E36	5375 OS 6P
03044	013100	03 FILLER	PIC 9(110)	COMP-3	VALUE	06000800000.	81=31 E3C	5381 OS 15C
03045	013110	03 FILLER	PIC X(115)		VALUE	'74	81=31 E48	5396 OS 6P
03046	013120	03 FILLER	PIC 9(110)	COMP-3	VALUE	06000900000.	81=31 E51	5402 OS 15C
03047	013130	03 FILLER	PIC X(115)		VALUE	'83	81=31 E60	5417 OS 6P
03048	013140	03 FILLER	PIC 9(110)	COMP-3	VALUE	06010000000.	81=31 E66	5423 OS 15C
03049	013150	03 FILLER	PIC X(115)		VALUE	'S50 S48	81=31 E75	5438 OS 6P
03050	013160	03 FILLER	PIC 9(110)	COMP-3	VALUE	06010100000.	81=31 E78	5444 OS 15C
03051	013170	03 FILLER	PIC X(115)		VALUE	'91 94	81=31 E8A	5459 OS 6P
03052	013180	03 FILLER	PIC 9(110)	COMP-3	VALUE	06010101000.	81=31 E90	5465 OS 15C
03053	013190	03 FILLER	PIC X(115)		VALUE	'CC11	81=31 E9F	5480 OS 6P
03054	013200	03 FILLER	PIC 9(110)	COMP-3	VALUE	0601010101.	81=31 EA5	5486 OS 15C
03055	013210	03 FILLER	PIC X(115)		VALUE	'92	81=31 E84	5501 OS 6P
03056	013220	03 FILLER	PIC 9(110)	COMP-3	VALUE	06010200000.	81=31 E8A	5507 OS 15C
03057	013230	03 FILLER	PIC X(115)		VALUE	'S49	81=31 EC9	5522 OS 6P
03058	013240	03 FILLER	PIC 9(110)	COMP-3	VALUE	06010201000.	81=31 ECF	5528 OS 15C
03059	013250	03 FILLER	PIC X(115)		VALUE	'CC11	81=31 EE4	5549 OS 6P
03060	013260	03 FILLER	PIC 9(110)	COMP-3	VALUE	06010400000.	81=31 EE4	5549 OS 15C
03061	013270	03 FILLER	PIC X(115)		VALUE	'S45 S46 S47	81=31 EF9	5564 OS 6P
03062	013280	03 FILLER	PIC 9(110)	COMP-3	VALUE	06010401000.	81=31 F08	5585 OS 15C
03063	013290	03 FILLER	PIC X(115)		VALUE	'S42 S43	81=31 F0E	5591 OS 6P
03064	013300	03 FILLER	PIC 9(110)	COMP-3	VALUE	06010402000.	81=31 F10	5606 OS 15C
03065	013310	03 FILLER	PIC X(115)		VALUE	'CC10 S44	81=31 F23	5612 OS 6P
03066	013320	03 FILLER	PIC 9(110)	COMP-3	VALUE	06010800000.	81=31 F32	5627 OS 15C
03067	013330	03 FILLER	PIC X(115)		VALUE	'81 S19	81=31 F38	5633 OS 6P

64 NM100 10.43.12 APR 3,1984

INT NAME BASE DISP RLO1 DEFINITION

03068	013340	03 FILLER	PIC 9(10)	COMP-3	VALUE	0601080300	..	DNM=112-12	BL=31	F47	5648	DS 6P
03069	013350	03 FILLER	PIC X(15)	COMP-3	VALUE	*S17	..	DNM=112-14	BL=31	F40	5654	DS 15C
03070	013360	03 FILLER	PIC 9(10)	COMP-3	VALUE	0601080400	..	DNM=112-15	BL=31	F5C	5669	DS 6P
03071	013370	03 FILLER	PIC X(15)	COMP-3	VALUE	*CC8	..	DNM=112-16	BL=31	F62	5675	DS 15C
03072	013380	03 FILLER	PIC 9(10)	COMP-3	VALUE	0601100000	..	DNM=112-18	BL=31	F71	5690	DS 6P
03073	013390	03 FILLER	PIC X(15)	COMP-3	VALUE	*CC7 S15	..	DNM=112-19	BL=31	F77	5696	DS 15C
03074	013400	03 FILLER	PIC 9(10)	COMP-3	VALUE	0601130000	..	DNM=112-21	BL=31	F86	5711	DS 6P
03075	013410	03 FILLER	PIC X(15)	COMP-3	VALUE	*CC19 72 CC14	..	DNM=112-22	BL=31	F8C	5717	DS 15C
03076	013420	03 FILLER	PIC 9(10)	COMP-3	VALUE	0601130100	..	DNM=112-23	BL=31	F98	5732	DS 6P
03077	013430	03 FILLER	PIC X(15)	COMP-3	VALUE	*CC6	..	DNM=112-25	BL=31	FAL	5738	DS 15C
03078	013440	03 FILLER	PIC 9(10)	COMP-3	VALUE	0601140000	..	DNM=112-26	BL=31	F80	5753	DS 6P
03079	013450	03 FILLER	PIC X(15)	COMP-3	VALUE	*73	..	DNM=112-28	BL=31	F86	5759	DS 15C
03080	013460	03 FILLER	PIC 9(10)	COMP-3	VALUE	0601160000	..	DNM=112-29	BL=31	F55	5774	DS 6P
03081	013470	03 FILLER	PIC X(15)	COMP-3	VALUE	*53 S1	..	DNM=112-30	BL=31	F88	5780	DS 15C
03082	013480	03 FILLER	PIC 9(10)	COMP-3	VALUE	0601160100	..	DNM=112-32	BL=31	FDA	5795	DS 6P
03083	013490	03 FILLER	PIC X(15)	COMP-3	VALUE	*52	..	DNM=112-33	BL=31	FEO	5801	DS 15C
03084	013500	03 FILLER	PIC 9(10)	COMP-3	VALUE	0601160300	..	DNM=112-35	BL=31	FEF	5816	DS 6P
03085	013510	03 FILLER	PIC X(15)	COMP-3	VALUE	*54	..	DNM=112-36	BL=31	FF5	5822	DS 15C
03086	013520	03 FILLER	PIC 9(10)	COMP-3	VALUE	0601160400	..	DNM=112-37	BL=32	004	2355	DS 6P
03087	013530	03 FILLER	PIC X(15)	COMP-3	VALUE	*51	..	DNM=112-39	BL=32	00A	2349	DS 15C
03088	013540	03 FILLER	PIC 9(10)	COMP-3	VALUE	0601160600	..	DNM=112-40	BL=32	019	2334	DS 6P
03089	013550	03 FILLER	PIC X(15)	COMP-3	VALUE	*51	..	DNM=112-42	BL=32	01F	2328	DS 15C
03090	013560	03 FILLER	PIC 9(10)	COMP-3	VALUE	0602000000	..	DNM=112-43	BL=32	02E	2313	DS 6P
03091	013570	03 FILLER	PIC X(15)	COMP-3	VALUE	*C81 C82 C83	..	DNM=112-44	BL=32	034	2307	DS 15C
03092	013580	03 FILLER	PIC 9(10)	COMP-3	VALUE	0602010000	..	DNM=112-46	BL=32	043	2292	DS 6P
03093	013590	03 FILLER	PIC X(15)	COMP-3	VALUE	*C87	..	DNM=112-47	BL=32	049	2286	DS 15C
03094	013600	03 FILLER	PIC 9(10)	COMP-3	VALUE	0602020000	..	DNM=112-49	BL=32	058	2271	DS 6P
03095	013610	03 FILLER	PIC X(15)	COMP-3	VALUE	*19 C89 C810	..	DNM=113-00	BL=32	058	2265	DS 15C
03096	013620	03 FILLER	PIC 9(10)	COMP-3	VALUE	0602030000	..	DNM=113-01	BL=32	060	2250	DS 6P
03097	013630	03 FILLER	PIC X(15)	COMP-3	VALUE	*51	..	DNM=113-02	BL=32	073	2244	DS 15C
03098	013640	03 FILLER	PIC 9(10)	COMP-3	VALUE	0602050000	..	DNM=113-04	BL=32	082	2229	DS 6P
03099	013650	03 FILLER	PIC X(15)	COMP-3	VALUE	*18 C812 C813	..	DNM=113-05	BL=32	088	2223	DS 15C
03100	013660	03 FILLER	PIC 9(10)	COMP-3	VALUE	0602060000	..	DNM=113-07	BL=32	097	2208	DS 6P
03101	013670	03 FILLER	PIC X(15)	COMP-3	VALUE	*51	..	DNM=113-08	BL=32	090	2202	DS 15C
03102	013680	03 FILLER	PIC 9(10)	COMP-3	VALUE	0602070000	..	DNM=113-09	BL=32	0AC	2187	DS 6P
03103	013690	03 FILLER	PIC X(15)	COMP-3	VALUE	*C820	..	DNM=113-11	BL=32	0R2	2181	DS 15C
03104	013700	03 FILLER	PIC 9(10)	COMP-3	VALUE	0602090000	..	DNM=113-12	BL=32	0C1	2166	DS 6P
03105	013710	03 FILLER	PIC X(15)	COMP-3	VALUE	*C826	..	DNM=113-14	BL=32	0C7	2160	DS 15C
03106	013720	03 FILLER	PIC 9(10)	COMP-3	VALUE	0602110000	..	DNM=113-15	BL=32	006	2145	DS 6P
03107	013730	03 FILLER	PIC X(15)	COMP-3	VALUE	*64	..	DNM=113-16	BL=32	00C	2139	DS 15C
03108	013740	03 FILLER	PIC 9(10)	COMP-3	VALUE	0602120000	..	DNM=113-18	BL=32	0E8	2124	DS 6P
03109	013750	03 FILLER	PIC X(15)	COMP-3	VALUE	*62 15	..	DNM=113-19	BL=32	0F1	2118	DS 15C
03110	013760	03 FILLER	PIC 9(10)	COMP-3	VALUE	0602130000	..	DNM=113-21	BL=32	100	2103	DS 6P
03111	013770	03 FILLER	PIC X(15)	COMP-3	VALUE	*84	..	DNM=113-22	BL=32	106	2097	DS 15C
03112	013780	03 FILLER	PIC 9(10)	COMP-3	VALUE	0602140000	..	DNM=113-23	BL=32	115	2082	DS 6P
03113	013790	03 FILLER	PIC X(15)	COMP-3	VALUE	*C817	..	DNM=113-25	BL=32	118	2076	DS 15C
03114	013800	03 FILLER	PIC 9(10)	COMP-3	VALUE	0602140100	..	DNM=113-26	BL=32	12A	2061	DS 6P
03115	013810	03 FILLER	PIC X(15)	COMP-3	VALUE	*C818	..	DNM=113-28	BL=32	130	2055	DS 15C
03116	013820	03 FILLER	PIC 9(10)	COMP-3	VALUE	0602150000	..	DNM=113-29	BL=32	13F	2040	DS 6P
03117	013830	03 FILLER	PIC X(15)	COMP-3	VALUE	*C811	..	DNM=113-30	BL=32	145	2034	DS 15C
03118	013840	03 FILLER	PIC 9(10)	COMP-3	VALUE	0602160000	..	DNM=113-32	BL=32	154	2019	DS 6P
03119	013850	03 FILLER	PIC X(15)	COMP-3	VALUE	*C822	..	DNM=113-33	BL=32	15A	2013	DS 15C
03120	013860	03 FILLER	PIC 9(10)	COMP-3	VALUE	0602170000	..	DNM=113-35	BL=32	169	1998	DS 6P
03121	013870	03 FILLER	PIC X(15)	COMP-3	VALUE	*C824 C825	..	DNM=113-36	BL=32	16F	1992	DS 15C

65	MM100	10.43.12	APR 3, 1984	INT NAME	BASE	DISP	RL01	DEFINITION
03122	013880	03-FILTER	PIC 9(110)	COMP-3	VALUE	0700000000.		DNM=113-37
03123	013890	03-FILLER	PIC X(115)		VALUE	'63 13 14		BL=32 17E
03124	013900	03-FILLER	PIC 9(110)	COMP-3	VALUE	0700020000.		BL=32 184
03125	013910	03-FILLER	PIC X(115)		VALUE	'61		BL=32 193
03126	013920	03-FILLER	PIC 9(110)	COMP-3	VALUE	0702000000.		BL=32 199
03127	013930	03-FILLER	PIC X(115)		VALUE	'S10		BL=32 1A8
03128	013940	03-FILLER	PIC 9(110)	COMP-3	VALUE	0702000200.		BL=32 1A8
03129	013950	03-FILLER	PIC X(115)		VALUE	'CC5		BL=32 1A8
03130	013960	03-FILLER	PIC 9(110)	COMP-3	VALUE	0702000300.		BL=32 1A8
03131	013970	03-FILLER	PIC X(115)		VALUE	'46 S9		BL=32 1A8
03132	013980	03-FILLER	PIC 9(110)	COMP-3	VALUE	0702000400.		BL=32 1A8
03133	013990	03-FILLER	PIC X(115)		VALUE	'48		BL=32 1A8
03134	014000	03-FILLER	PIC 9(110)	COMP-3	VALUE	0702000500.		BL=32 1A8
03135	014010	03-FILLER	PIC X(115)		VALUE	'12		BL=32 1A8
03136	014020	03-FILLER	PIC 9(110)	COMP-3	VALUE	0702030000.		BL=32 202
03137	014030	03-FILLER	PIC X(115)		VALUE	'47		BL=32 211
03138	014040	03-FILLER	PIC 9(110)	COMP-3	VALUE	0801000000.		BL=32 217
03139	014050	03-FILLER	PIC X(115)		VALUE	'54		BL=32 226
03140	014060	03-FILLER	PIC 9(110)	COMP-3	VALUE	0801000200.		BL=32 226
03141	014070	03-FILLER	PIC X(115)		VALUE	'43		BL=32 238
03142	014080	03-FILLER	PIC 9(110)	COMP-3	VALUE	0801000300.		BL=32 241
03143	014090	03-FILLER	PIC X(115)		VALUE	'CC3 S5		BL=32 250
03144	014100	03-FILLER	PIC 9(110)	COMP-3	VALUE	0801001200.		BL=32 256
03145	014110	03-FILLER	PIC X(115)		VALUE	'41		BL=32 265
03146	014120	03-FILLER	PIC 9(110)	COMP-3	VALUE	0801001300.		BL=32 268
03147	014130	03-FILLER	PIC X(115)		VALUE	'CC4 44		BL=32 27A
03148	014140	03-FILLER	PIC 9(110)	COMP-3	VALUE	0801030000.		BL=32 280
03149	014150	03-FILLER	PIC X(115)		VALUE	'CC13		BL=32 28F
03150	014160	03-FILLER	PIC 9(110)	COMP-3	VALUE	0801030100.		BL=32 295
03151	014170	03-FILLER	PIC X(115)		VALUE	'CC12		BL=32 2A4
03152	014180	03-FILLER	PIC 9(110)	COMP-3	VALUE	0801030200.		BL=32 2A4
03153	014190	03-FILLER	PIC X(115)		VALUE	'41A CC15		BL=32 289
03154	014200	03-FILLER	PIC 9(110)	COMP-3	VALUE	0801090000.		BL=32 28F
03155	014210	03-FILLER	PIC X(115)		VALUE	'42		BL=32 2CE
03156	014220	03-FILLER	PIC 9(110)	COMP-3	VALUE	0900000000.		BL=32 2CE
03157	014230	03-FILLER	PIC X(115)		VALUE	'8		BL=32 2D4
03158	014240	03-FILLER	PIC 9(110)	COMP-3	VALUE	0900010000.		BL=32 2E3
03159	014250	03-FILLER	PIC X(115)		VALUE	'22 4		BL=32 2E9
03160	014260	03-FILLER	PIC 9(110)	COMP-3	VALUE	0900020000.		BL=32 2F8
03161	014270	03-FILLER	PIC X(115)		VALUE	'24 5		BL=32 2FE
03162	014280	03-FILLER	PIC 9(110)	COMP-3	VALUE	0900030000.		BL=32 30D
03163	014290	03-FILLER	PIC X(115)		VALUE	'25 9		BL=32 313
03164	014300	03-FILLER	PIC 9(110)	COMP-3	VALUE	0900040000.		BL=32 322
03165	014310	03-FILLER	PIC X(115)		VALUE	'27 10 6		BL=32 328
03166	014320	03-FILLER	PIC 9(110)	COMP-3	VALUE	0900050000.		BL=32 337
03167	014330	03-FILLER	PIC X(115)		VALUE	'33 11		BL=32 352
03168	014340	03-FILLER	PIC 9(110)	COMP-3	VALUE	0901000000.		BL=32 361
03169	014350	03-FILLER	PIC X(115)		VALUE	'34		BL=32 367
03170	014360	03-FILLER	PIC 9(110)	COMP-3	VALUE	0902000000.		BL=32 376
03171	014370	03-FILLER	PIC X(115)		VALUE	'32		BL=32 37C
03172	014380	03-FILLER	PIC 9(110)	COMP-3	VALUE	0904000000.		BL=32 37C
03173	014390	03-FILLER	PIC X(115)		VALUE	'31		BL=32 388
03174	014400	03-FILLER	PIC 9(110)	COMP-3	VALUE	0906000000.		BL=32 391
03175	014410	03-FILLER	PIC X(115)		VALUE	'26		BL=32 3A0
								BL=32 3A6
								1477
								1478
								1479
								1480
								1481
								1482
								1483
								1484
								1485
								1486
								1487
								1488
								1489
								1490
								1491
								1492
								1493
								1494
								1495
								1496
								1497
								1498
								1499
								1500
								1501
								1502
								1503
								1504
								1505
								1506
								1507
								1508
								1509
								1510
								1511
								1512
								1513
								1514
								1515
								1516
								1517
								1518
								1519
								1520
								1521
								1522
								1523
								1524
								1525
								1526
								1527
								1528
								1529
								1530
								1531
								1532
								1533
								1534
								1535
								1536
								1537
								1538
								1539
								1540
								1541
								1542
								1543
								1544
								1545
								1546
								1547
								1548
								1549
								1550
								1551
								1552
								1553
								1554
								1555
								1556
								1557
								1558
								1559
								1560
								1561
								1562
								1563
								1564
								1565
								1566
								1567
								1568
								1569
								1570
								1571
								1572
								1573
								1574
								1575
								1576
								1577
								1578
								1579
								1580
								1581
								1582
								1583
								1584
								1585
								1586
								1587
								1588
								1589
								1590
								1591
								1592
								1593
								1594
								1595
								1596
								1597
								1598
								1599
								1600
								1601
								1602
								1603
								1604
								1605
								1606
								1607
								1608
								1609
								1610
								1611
								1612
								1613
								1614
								1615
								1616
								1617
								1618
								1619
								1620
								1621
								1622
								1623
								1624
								1625
								1626
								1627
								1628
								1629
								1630
								1631
								1632
								1633
								1634
								1635
								1636
								1637
								1638
								1639
								1640
								1641
								1642
								1643

66	NM100	10.43.12	APR 3.1984	INT NAME	BASE	DISP	RL01	DEFINITION
03176	014420	03 FILLER	PIC 9(10)	COMP-3	VALUE	0908000000.		
03177	014430	03 FILLER	PIC X(15)	VALUE	17	7		
03178	014440	03 FILLER	PIC 9(10)	COMP-3	VALUE	0909000000.		
03179	014450	03 FILLER	PIC X(15)	VALUE	28			
03180	014460	03 FILLER	PIC 9(10)	COMP-3	VALUE	0910000000.		
03181	014470	03 FILLER	PIC X(15)	VALUE	23			
03182	014480	03 FILLER	PIC 9(10)	COMP-3	VALUE	1000000000.		
03183	014490	03 FILLER	PIC X(15)	VALUE	21	3		
03184	014500	03 FILLER	PIC 9(10)	COMP-3	VALUE	1001000100.		
03185	014510	03 FILLER	PIC X(15)	VALUE	CC1	12	11	
03186	014520	03 FILLER	PIC 9(10)	COMP-3	VALUE	1001000200.		
03187	014530	03 FILLER	PIC X(15)	VALUE	CC2			
03188	014540	03 FILLER	PIC 9(10)	COMP-3	VALUE	1001000300.		
03189	014550	03 FILLER	PIC X(15)	VALUE	14			
03190	014560	03 FILLER	PIC 9(10)	COMP-3	VALUE	1001030100.		
03191	014570	03 FILLER	PIC X(15)	VALUE	13			
03192	014580	03 FILLER	PIC 9(10)	COMP-3	VALUE	1001030200.		
03193	014590	03 FILLER	PIC X(15)	VALUE	WM2			
03194	014600	03 FILLER	PIC 9(10)	COMP-3	VALUE	1001080000.		
03195	014610	03 FILLER	PIC X(15)	VALUE	WM1			
03196	014620	03 FILLER	PIC 9(10)	COMP-3	VALUE	1101000000.		
03197	014630	03 FILLER	PIC X(15)	VALUE	B11	B12	B13	
03198	014640	03 FILLER	PIC 9(10)	COMP-3	VALUE	1101010000.		
03199	014650	03 FILLER	PIC X(15)	VALUE	FBI	FBI		
03200	014660	03 FILLER	PIC 9(10)	COMP-3	VALUE	1101020000.		
03201	014670	03 FILLER	PIC X(15)	VALUE	QC1	QC2	QC3	
03202	014680	03 FILLER	PIC 9(10)	COMP-3	VALUE	1101030000.		
03203	014690	03 FILLER	PIC X(15)	VALUE	BC1	BC2	BC3	
03204	014700	03 FILLER	PIC 9(10)	COMP-3	VALUE	1102000000.		
03205	014710	03 FILLER	PIC X(15)	VALUE	B01	B02	B03	
03206	014720	03 FILLER	PIC 9(10)	COMP-3	VALUE	1102010000.		
03207	014730	03 FILLER	PIC X(15)	VALUE	H01	H02	H03	
03208	014740	03 FILLER	PIC 9(10)	COMP-3	VALUE	1103000000.		
03209	014750	03 FILLER	PIC X(15)	VALUE	IMW1	IMW2	IMW3	
03210	014760	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201010000.		
03211	014770	03 FILLER	PIC X(15)	VALUE	NR9	NR11	NR14	
03212	014780	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201010100.		
03213	014790	03 FILLER	PIC X(15)	VALUE	NR10			
03214	014800	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201010200.		
03215	014810	03 FILLER	PIC X(15)	VALUE	NR48			
03216	014820	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201010300.		
03217	014830	03 FILLER	PIC X(15)	VALUE	NR49			
03218	014840	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201020100.		
03219	014850	03 FILLER	PIC X(15)	VALUE	NR8	NR12	NR32	
03220	014860	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201020101.		
03221	014870	03 FILLER	PIC X(15)	VALUE	NR35			
03222	014880	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201020102.		
03223	014890	03 FILLER	PIC X(15)	VALUE	NR36			
03224	014900	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201020103.		
03225	014910	03 FILLER	PIC X(15)	VALUE	NR37			
03226	014920	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201020104.		
03227	014930	03 FILLER	PIC X(15)	VALUE	NR13			
03228	014940	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201020200.		
03229	014950	03 FILLER	PIC X(15)	VALUE	NR7	NR24	NR25	
03230								
03231								
03232								
03233								
03234								
03235								
03236								
03237								
03238								
03239								
03240								
03241								
03242								
03243								
03244								
03245								
03246								
03247								
03248								
03249								
03250								
03251								
03252								
03253								
03254								
03255								
03256								
03257								
03258								
03259								
03260								
03261								
03262								
03263								
03264								
03265								
03266								
03267								
03268								
03269								
03270								
03271								
03272								
03273								
03274								
03275								
03276								
03277								
03278								
03279								
03280								
03281								
03282								
03283								
03284								
03285								
03286								
03287								
03288								
03289								
03290								
03291								
03292								
03293								
03294								
03295								
03296								
03297								
03298								
03299								
03300								

67

10.43.12

APR 3.1984

INT NAME

BASE

DISP

RL01

DEFINITION

03230	014960	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201020201.	DNM=116-37	81-32 5EC	0843	DS 6P
03231	014970	03 FILLER	PIC X(15)	COMP-3	VALUE	*NR28	DNM=116-39	81-32 5F2	0837	DS 15C
03232	014980	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201020202.	DNM=116-40	81-32 601	0822	DS 6P
03233	014990	03 FILLER	PIC X(15)	COMP-3	VALUE	*NR6	DNM=116-42	81-32 607	0816	DS 15C
03234	015000	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201020203.	DNM=116-43	81-32 616	0801	DS 6P
03235	015010	03 FILLER	PIC X(15)	COMP-3	VALUE	*NR30	DNM=116-44	81-32 61C	0795	DS 15C
03236	015020	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201020204.	DNM=116-46	81-32 628	0780	DS 6P
03237	015030	03 FILLER	PIC X(15)	COMP-3	VALUE	*NR31	DNM=116-47	81-32 631	0774	DS 15C
03238	015040	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201020300.	DNM=116-49	81-32 640	0759	DS 6P
03239	015050	03 FILLER	PIC X(15)	COMP-3	VALUE	*NR22 NR23 NR65	DNM=117-00	81-32 646	0753	DS 15C
03240	015060	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201020301.	DNM=117-01	81-32 655	0738	DS 6P
03241	015070	03 FILLER	PIC X(15)	COMP-3	VALUE	*NR20 NR21	DNM=117-02	81-32 658	0732	DS 15C
03242	015080	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201020302.	DNM=117-04	81-32 66A	0717	DS 6P
03243	015090	03 FILLER	PIC X(15)	COMP-3	VALUE	*NR19	DNM=117-05	81-32 670	0711	DS 15C
03244	015100	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201020400.	DNM=117-07	81-32 67F	0696	DS 6P
03245	015110	03 FILLER	PIC X(15)	COMP-3	VALUE	*NR50 NR51 NR52	DNM=117-09	81-32 685	0690	DS 15C
03246	015120	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201020401.	DNM=117-11	81-32 69A	0669	DS 6P
03247	015130	03 FILLER	PIC X(15)	COMP-3	VALUE	*NR54 NR55	DNM=117-14	81-32 6AF	0648	DS 15C
03248	015140	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201020402.	DNM=117-15	81-32 68E	0633	DS 6P
03249	015150	03 FILLER	PIC X(15)	COMP-3	VALUE	*NR56 NR57	DNM=117-16	81-32 6C4	0612	DS 15C
03250	015160	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201020403.	DNM=117-19	81-32 6D9	0606	DS 6P
03251	015170	03 FILLER	PIC X(15)	COMP-3	VALUE	*NR58 NR59	DNM=117-21	81-32 6E8	0591	DS 15C
03252	015180	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201030100.	DNM=117-22	81-32 6EE	0585	DS 6P
03253	015190	03 FILLER	PIC X(15)	COMP-3	VALUE	*NR1 NR2 NR3	DNM=117-23	81-32 6FD	0570	DS 15C
03254	015200	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201030200.	DNM=117-25	81-32 703	0564	DS 6P
03255	015210	03 FILLER	PIC X(15)	COMP-3	VALUE	*NR5 NR18	DNM=117-26	81-32 712	0549	DS 15C
03256	015220	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201030300.	DNM=117-28	81-32 718	0543	DS 6P
03257	015230	03 FILLER	PIC X(15)	COMP-3	VALUE	*NR4 NR16 NR17	DNM=117-29	81-32 727	0528	DS 15C
03258	015240	03 FILLER	PIC 9(10)	COMP-3	VALUE	1201030301.	DNM=117-30	81-32 720	0522	DS 6P
03259	015250	03 FILLER	PIC X(15)	COMP-3	VALUE	*NR15	DNM=117-32	81-32 73C	0507	DS 15C
03260	015260	03 FILLER	PIC 9(10)	COMP-3	VALUE	1301010000.	DNM=117-33	81-32 742	0501	DS 6P
03261	015270	03 FILLER	PIC X(15)	COMP-3	VALUE	*SS11 SS14 SS15	DNM=117-35	81-32 751	0486	DS 15C
03262	015280	03 FILLER	PIC 9(10)	COMP-3	VALUE	1301020000.	DNM=117-36	81-32 757	0480	DS 6P
03263	015290	03 FILLER	PIC X(15)	COMP-3	VALUE	*SS16 SS17	DNM=117-37	81-32 766	0465	DS 15C
03264	015300	03 FILLER	PIC 9(10)	COMP-3	VALUE	1301030000.	DNM=117-39	81-32 76C	0459	DS 6P
03265	015310	03 FILLER	PIC X(15)	COMP-3	VALUE	*SS18	DNM=117-40	81-32 778	0444	DS 15C
03266	015320	03 FILLER	PIC 9(10)	COMP-3	VALUE	1301040000.	DNM=117-42	81-32 781	0438	DS 6P
03267	015330	03 FILLER	PIC X(15)	COMP-3	VALUE	*SS12 SS13	DNM=117-43	81-32 790	0423	DS 15C
03268	015340	03 FILLER	PIC 9(10)	COMP-3	VALUE	1301050000.	DNM=117-44	81-32 796	0417	DS 6P
03269	015350	03 FILLER	PIC X(15)	COMP-3	VALUE	*SS19 SS114 SS115	DNM=117-46	81-32 7A5	0402	DS 15C
03270	015360	03 FILLER	PIC 9(10)	COMP-3	VALUE	1301060000.	DNM=117-47	81-32 7AB	0396	DS 6P
03271	015370	03 FILLER	PIC X(15)	COMP-3	VALUE	*SS110 SS111 SS112	DNM=117-49	81-32 7BA	0381	DS 15C
03272	015380	03 FILLER	PIC 9(10)	COMP-3	VALUE	1302010000.	DNM=118-00	81-32 7C0	0375	DS 6P
03273	015390	03 FILLER	PIC X(15)	COMP-3	VALUE	*SS07 SS08	DNM=118-01	81-32 7CF	0360	DS 15C
03274	015400	03 FILLER	PIC 9(10)	COMP-3	VALUE	1302020000.	DNM=118-02	81-32 7D5	0354	DS 6P
03275	015410	03 FILLER	PIC X(15)	COMP-3	VALUE	*SS01 SS06 SS012	DNM=118-04	81-32 7E4	0339	DS 15C
03276	015420	03 FILLER	PIC 9(10)	COMP-3	VALUE	1302030000.	DNM=118-05	81-32 7EA	0333	DS 6P
03277	015430	03 FILLER	PIC X(15)	COMP-3	VALUE	*SS02 SS03 SS04	DNM=118-07	81-32 7FF	0318	DS 15C
03278	015440	03 FILLER	PIC 9(10)	COMP-3	VALUE	1303000000.	DNM=118-08	81-32 7F9	0312	DS 6P
03279	015450	03 FILLER	PIC X(15)	COMP-3	VALUE	*INW4 INW5 INW6	DNM=118-09	81-32 80E	0297	DS 15C
03280	015460	03 FILLER	PIC 9(10)	COMP-3	VALUE	1401000000.	DNM=118-11	81-32 814	0291	DS 6P
03281	015470	03 FILLER	PIC X(15)	COMP-3	VALUE	*T11 T12 T13				
03282	015480	03 FILLER	PIC 9(10)	COMP-3	VALUE	1401010000.				
03283	015490	03 FILLER	PIC X(15)	COMP-3	VALUE	*RH1 RH2 RH3				

68 NM100 10-43.12 APR 3,1984

INT NAME

BASE

DISP

RL01

DEFINITION

03284	015509	03 FILLER	PIC 9(10)	COMP-3	VALUE	1401020000	DNM=118-12	BL=32 823	0276	DS 6P
03285	015510	03 FILLER	PIC 9(10)	COMP-3	VALUE	*VC1 VC2 VC3 *	DNM=118-14	BL=32 829	0270	DS 15C
03286	015520	03 FILLER	PIC 9(10)	COMP-3	VALUE	1401030000	DNM=118-15	BL=32 838	0255	DS 6P
03287	015530	03 FILLER	PIC 9(10)	COMP-3	VALUE	*M81 M82 M83 *	DNM=118-16	BL=32 83E	0249	DS 15C
03288	015540	03 FILLER	PIC 9(10)	COMP-3	VALUE	1401040000	DNM=118-18	BL=32 84D	0234	DS 6P
03289	015550	03 FILLER	PIC 9(10)	COMP-3	VALUE	*DT1 DT2 DT3 *	DNM=118-19	BL=32 853	0228	DS 15C
03290	015560	03 FILLER	PIC 9(10)	COMP-3	VALUE	1402010000	DNM=118-21	BL=32 862	0213	DS 6P
03291	015570	03 FILLER	PIC 9(10)	COMP-3	VALUE	*OC1 OC2 OC3 *	DNM=118-22	BL=32 868	0207	DS 15C
03292	015580	03 FILLER	PIC 9(10)	COMP-3	VALUE	1402020000	DNM=118-23	BL=32 877	0192	DS 6P
03293	015590	03 FILLER	PIC 9(10)	COMP-3	VALUE	*TS1 TS2 TS3 *	DNM=118-25	BL=32 87D	0186	DS 15C
03294	015600	03 FILLER	PIC 9(10)	COMP-3	VALUE	1402030000	DNM=118-26	BL=32 88C	0171	DS 6P
03295	015610	03 FILLER	PIC 9(10)	COMP-3	VALUE	*BC1 BC2 BC3 *	DNM=118-28	BL=32 892	0165	DS 15C
03296	015620	03 FILLER	PIC 9(10)	COMP-3	VALUE	1403000000	DNM=118-29	BL=32 8A1	0150	DS 6P
03297	015630	03 FILLER	PIC 9(10)	COMP-3	VALUE	*14W141W151W16 *	DNM=118-30	BL=32 8A7	0144	DS 15C
03298	015640	03 FILLER	PIC 9(10)	COMP-3	VALUE	1501000000	DNM=118-32	BL=32 8B6	0129	DS 6P
03299	015650	03 FILLER	PIC 9(10)	COMP-3	VALUE	*M51 M52 M53 *	DNM=118-33	BL=32 8BC	0123	DS 15C
03300	015660	03 FILLER	PIC 9(10)	COMP-3	VALUE	1501010000	DNM=118-35	BL=32 8C8	0108	DS 6P
03301	015670	03 FILLER	PIC 9(10)	COMP-3	VALUE	*MC1 MC2 MC3 *	DNM=118-36	BL=32 8D1	0102	DS 15C
03302	015680	03 FILLER	PIC 9(10)	COMP-3	VALUE	1501020000	DNM=118-37	BL=32 8E0	0087	DS 6P
03303	015690	03 FILLER	PIC 9(10)	COMP-3	VALUE	*FC1 FC2 FC3 *	DNM=118-39	BL=32 8E6	0081	DS 15C
03304	015700	03 FILLER	PIC 9(10)	COMP-3	VALUE	1501030000	DNM=118-40	BL=32 8F5	0066	DS 6P
03305	015710	03 FILLER	PIC 9(10)	COMP-3	VALUE	*PC1 PC2 PC3 *	DNM=118-42	BL=32 8F8	0060	DS 15C
03306	015720	03 FILLER	PIC 9(10)	COMP-3	VALUE	1502010000	DNM=118-43	BL=32 90A	0045	DS 6P
03307	015730	03 FILLER	PIC 9(10)	COMP-3	VALUE	*R11 R12 R13 *	DNM=118-46	BL=32 91F	0039	DS 15C
03308	015740	03 FILLER	PIC 9(10)	COMP-3	VALUE	1502020000	DNM=118-47	BL=32 925	0018	DS 6P
03309	015750	03 FILLER	PIC 9(10)	COMP-3	VALUE	*FE1 FE2 FE3 *	DNM=118-49	BL=32 934	0003	DS 15C
03310	015760	03 FILLER	PIC 9(10)	COMP-3	VALUE	1502030000	DNM=119-00	BL=32 93A	0003	DS 6P
03311	015770	03 FILLER	PIC 9(10)	COMP-3	VALUE	*MA1 MA2 MA3 *	DNM=119-01	BL=32 949	0018	DS 15C
03312	015780	03 FILLER	PIC 9(10)	COMP-3	VALUE	1503000000	DNM=119-02	BL=32 94F	0024	DS 6P
03313	015790	03 FILLER	PIC 9(10)	COMP-3	VALUE	*14W214W221W23 *	DNM=119-04	BL=32 95E	0039	DS 15C
03314	015800	03 FILLER	PIC 9(10)	COMP-3	VALUE	1601000000	DNM=119-05	BL=32 964	0045	DS 6P
03315	015810	03 FILLER	PIC 9(10)	COMP-3	VALUE	*M11 M12 M13 *	DNM=119-07	BL=32 973	0060	DS 15C
03316	015820	03 FILLER	PIC 9(10)	COMP-3	VALUE	1601010000	DNM=119-08	BL=32 979	0066	DS 6P
03317	015830	03 FILLER	PIC 9(10)	COMP-3	VALUE	*HC1 HC2 HC3 *	DNM=119-09	BL=32 988	0081	DS 15C
03318	015840	03 FILLER	PIC 9(10)	COMP-3	VALUE	1601020000	DNM=119-11	BL=32 98E	0087	DS 6P
03319	015850	03 FILLER	PIC 9(10)	COMP-3	VALUE	*BR1 BR2 BR3 *	DNM=119-12	BL=32 99D	0102	DS 15C
03320	015860	03 FILLER	PIC 9(10)	COMP-3	VALUE	1602010000	DNM=119-14	BL=32 9A3	0108	DS 6P
03321	015870	03 FILLER	PIC 9(10)	COMP-3	VALUE	*WM1 WM2 WM3 *	DNM=119-15	BL=32 9B2	0123	DS 15C
03322	015880	03 FILLER	PIC 9(10)	COMP-3	VALUE	1602020000	DNM=119-16	BL=32 989	0129	DS 6P
03323	015890	03 FILLER	PIC 9(10)	COMP-3	VALUE	*M81 M82 M83 *	DNM=119-18	BL=32 9C7	0144	DS 15C
03324	015900	03 FILLER	PIC 9(10)	COMP-3	VALUE	1603000000	DNM=119-19	BL=32 9C0	0150	DS 6P
03325	015910	03 FILLER	PIC 9(10)	COMP-3	VALUE	*14W214W221W23 *	DNM=119-21	BL=32 9E2	0171	DS 15C
03326	015920	03 FILLER	PIC 9(10)	COMP-3	VALUE	1701000000	DNM=119-22	BL=32 9E2	0171	DS 6P
03327	015930	03 FILLER	PIC 9(10)	COMP-3	VALUE	*MC1 MC2 MC3 *	DNM=119-23	BL=32 9F1	0186	DS 15C
03328	015940	03 FILLER	PIC 9(10)	COMP-3	VALUE	1701010000	DNM=119-25	BL=32 9F1	0186	DS 6P
03329	015950	03 FILLER	PIC 9(10)	COMP-3	VALUE	*HE1 HE2 HE3 *	DNM=119-26	BL=32 A06	0207	DS 15C
03330	015960	03 FILLER	PIC 9(10)	COMP-3	VALUE	1701020000	DNM=119-28	BL=32 A0C	0213	DS 6P
03331	015970	03 FILLER	PIC 9(10)	COMP-3	VALUE	*WC1 WC2 WC3 *	DNM=119-29	BL=32 A18	0228	DS 15C
03332	015980	03 FILLER	PIC 9(10)	COMP-3	VALUE	1702010000	DNM=119-30	BL=32 A21	0234	DS 6P
03333	015990	03 FILLER	PIC 9(10)	COMP-3	VALUE	*MM1 MM2 MM3 *	DNM=119-32	BL=32 A30	0249	DS 15C
03334	016000	03 FILLER	PIC 9(10)	COMP-3	VALUE	1703000000	DNM=119-33	BL=32 A36	0255	DS 6P
03335	016010	03 FILLER	PIC 9(10)	COMP-3	VALUE	*14W3614W371W38 *	DNM=119-35	BL=32 A45	0270	DS 15C
03336	016020	03 FILLER	PIC 9(10)	COMP-3	VALUE	1801010000	DNM=119-36	BL=32 A48	0276	DS 6P
03337	016030	03 FILLER	PIC 9(10)	COMP-3	VALUE	*M11 M12 M13 *				

69 NM100 10.43.12 APR 3, 1984

INT NAME BASE DISP RL01 DEFINITION

03338	016043	03 FILLER	PIC 9(10)	COMP-3	VALUE	1802010000.	DNM=119-37	BL=32 A5A	0291	DS 6P
03339	016050	03 FILLER	PIC 9(15)	COMP-3	VALUE	'M01 M02 M03 *	DNM=119-39	BL=32 A60	0297	DS 15C
03340	016060	03 FILLER	PIC 9(10)	COMP-3	VALUE	1803000000.	DNM=119-40	BL=32 A6F	0318	DS 6P
03341	016070	03 FILLER	PIC 9(15)	COMP-3	VALUE	'1W401W411W42*	DNM=119-42	BL=32 A75	0318	DS 15C
03342	016080	03 FILLER	PIC 9(10)	COMP-3	VALUE	1804000000.	DNM=119-43	BL=32 A84	0333	DS 6P
03343	016090	03 FILLER	PIC 9(15)	COMP-3	VALUE	'CBV1 CBV2 CBV3 *	DNM=119-44	BL=32 A8A	0339	DS 15C
03344	016100	03 FILLER	PIC 9(10)	COMP-3	VALUE	1901010100.	DNM=119-46	BL=32 A99	0354	DS 6P
03345	016110	03 FILLER	PIC 9(15)	COMP-3	VALUE	'CFR39CFR39CFR40*	DNM=119-47	BL=32 A9F	0360	DS 15C
03346	016120	03 FILLER	PIC 9(10)	COMP-3	VALUE	1901010101.	DNM=119-49	BL=32 AAE	0375	DS 6P
03347	016130	03 FILLER	PIC 9(15)	COMP-3	VALUE	'CFR41CFR42 *	DNM=120-00	BL=32 A84	0381	DS 15C
03348	016140	03 FILLER	PIC 9(10)	COMP-3	VALUE	1901010200.	DNM=120-01	BL=32 AC3	0396	DS 6P
03349	016150	03 FILLER	PIC 9(15)	COMP-3	VALUE	'CFR43CFR44CFR45*	DNM=120-02	BL=32 AC9	0402	DS 15C
03350	016160	03 FILLER	PIC 9(10)	COMP-3	VALUE	1901010300.	DNM=120-04	BL=32 ADB	0417	DS 6P
03351	016170	03 FILLER	PIC 9(15)	COMP-3	VALUE	'CFR46CFR47 *	DNM=120-05	BL=32 ADE	0423	DS 15C
03352	016180	03 FILLER	PIC 9(10)	COMP-3	VALUE	1901010400.	DNM=120-07	BL=32 AED	0438	DS 6P
03353	016190	03 FILLER	PIC 9(15)	COMP-3	VALUE	'CFR31CFR32CFR33*	DNM=120-08	BL=32 AF3	0444	DS 15C
03354	016200	03 FILLER	PIC 9(10)	COMP-3	VALUE	1901010500.	DNM=120-09	BL=32 B02	0459	DS 6P
03355	016210	03 FILLER	PIC 9(15)	COMP-3	VALUE	'CFR28 *	DNM=120-11	BL=32 B08	0465	DS 15C
03356	016220	03 FILLER	PIC 9(10)	COMP-3	VALUE	1901010600.	DNM=120-12	BL=32 B17	0480	DS 6P
03357	016230	03 FILLER	PIC 9(15)	COMP-3	VALUE	'CFR25CFR27 *	DNM=120-14	BL=32 B10	0406	DS 15C
03358	016240	03 FILLER	PIC 9(10)	COMP-3	VALUE	1901010700.	DNM=120-15	BL=32 B2C	0501	DS 6P
03359	016250	03 FILLER	PIC 9(15)	COMP-3	VALUE	'CFR22CFR23CFR24*	DNM=120-16	BL=32 B32	0507	DS 15C
03360	016260	03 FILLER	PIC 9(10)	COMP-3	VALUE	1901010800.	DNM=120-18	BL=32 B41	0522	DS 6P
03361	016270	03 FILLER	PIC 9(15)	COMP-3	VALUE	'CFR19CFR20CFR21*	DNM=120-19	BL=32 B47	0528	DS 15C
03362	016280	03 FILLER	PIC 9(10)	COMP-3	VALUE	1901010900.	DNM=120-21	BL=32 B56	0543	DS 6P
03363	016290	03 FILLER	PIC 9(15)	COMP-3	VALUE	'CFR15CFR16CFR17*	DNM=120-22	BL=32 B5C	0549	DS 15C
03364	016300	03 FILLER	PIC 9(10)	COMP-3	VALUE	1901011000.	DNM=120-23	BL=32 B68	0564	DS 6P
03365	016310	03 FILLER	PIC 9(15)	COMP-3	VALUE	'CFR14CFR18 *	DNM=120-25	BL=32 B71	0570	DS 15C
03366	016320	03 FILLER	PIC 9(10)	COMP-3	VALUE	1901011100.	DNM=120-26	BL=32 B80	0585	DS 6P
03367	016330	03 FILLER	PIC 9(15)	COMP-3	VALUE	'CFR34CFR35CFR36*	DNM=120-28	BL=32 B86	0591	DS 15C
03368	016340	03 FILLER	PIC 9(10)	COMP-3	VALUE	1901020100.	DNM=120-29	BL=32 B95	0606	DS 6P
03369	016350	03 FILLER	PIC 9(15)	COMP-3	VALUE	'CFR13CFR49 *	DNM=120-30	BL=32 B9B	0612	DS 15C
03370	016360	03 FILLER	PIC 9(10)	COMP-3	VALUE	1901020101.	DNM=120-32	BL=32 BAA	0627	DS 6P
03371	016370	03 FILLER	PIC 9(15)	COMP-3	VALUE	'CFR48 *	DNM=120-33	BL=32 B80	0633	DS 15C
03372	016380	03 FILLER	PIC 9(10)	COMP-3	VALUE	1901020200.	DNM=120-35	BL=32 B8F	0648	DS 6P
03373	016390	03 FILLER	PIC 9(15)	COMP-3	VALUE	'CFR50CFR51CFR52*	DNM=120-36	BL=32 B8C	0654	DS 15C
03374	016400	03 FILLER	PIC 9(10)	COMP-3	VALUE	1901020300.	DNM=120-37	BL=32 B04	0669	DS 6P
03375	016410	03 FILLER	PIC 9(15)	COMP-3	VALUE	'CFR53CFR54CFR55*	DNM=120-39	BL=32 B0A	0675	DS 15C
03376	016420	03 FILLER	PIC 9(10)	COMP-3	VALUE	1901020400.	DNM=120-40	BL=32 B9E	0690	DS 6P
03377	016430	03 FILLER	PIC 9(15)	COMP-3	VALUE	'CFR56CFR57CFR58*	DNM=120-42	BL=32 B8F	0696	DS 15C
03378	016440	03 FILLER	PIC 9(10)	COMP-3	VALUE	1901020500.	DNM=120-43	BL=32 BFE	0711	DS 6P
03379	016450	03 FILLER	PIC 9(15)	COMP-3	VALUE	'CFR59CFR60CFR61*	DNM=120-46	BL=32 C13	0732	DS 15C
03380	016460	03 FILLER	PIC 9(10)	COMP-3	VALUE	1901020600.	DNM=120-47	BL=32 C19	0738	DS 6P
03381	016470	03 FILLER	PIC 9(15)	COMP-3	VALUE	'BD1 *	DNM=120-49	BL=32 C28	0753	DS 15C
03382	016480	03 FILLER	PIC 9(10)	COMP-3	VALUE	1901030100.	DNM=121-00	BL=32 C2E	0759	DS 6P
03383	016490	03 FILLER	PIC 9(15)	COMP-3	VALUE	'CFR8 CFA10CFR11*	DNM=121-01	BL=32 C3D	0774	DS 15C
03384	016500	03 FILLER	PIC 9(10)	COMP-3	VALUE	1901030200.	DNM=121-02	BL=32 C43	0780	DS 6P
03385	016510	03 FILLER	PIC 9(15)	COMP-3	VALUE	'CFR4 CFS5 CFR71*	DNM=121-04	BL=32 C52	0795	DS 15C
03386	016520	03 FILLER	PIC 9(10)	COMP-3	VALUE	1901040000.	DNM=121-05	BL=32 C56	0801	DS 6P
03387	016530	03 FILLER	PIC 9(15)	COMP-3	VALUE	'CFR3 CFR6 CFR7 *	DNM=121-08	BL=32 C67	0816	DS 15C
03388	016540	03 FILLER	PIC 9(10)	COMP-3	VALUE	1901050100.	DNM=121-09	BL=32 C7C	0837	DS 6P
03389	016550	03 FILLER	PIC 9(15)	COMP-3	VALUE	'CFR88 *	DNM=121-11	BL=32 C82	0843	DS 15C
03390	016560	03 FILLER	PIC 9(10)	COMP-3	VALUE	1901050200.				
03391	016570	03 FILLER	PIC 9(15)	COMP-3	VALUE	'CFR89CFR90 *				

70 NM100 10.43.12 APR 3.1984

DEF

INT NAME	BASE	DISP	RL01	DEFINITION
DNM=121-12	BL=32	C91	0858	OS 6P
DNM=121-14	BL=32	C97	0864	OS 15C
DNM=121-15	BL=32	C97	0864	OS 6P
DNM=121-16	BL=32	CAC	0885	OS 15C
DNM=121-18	BL=32	CBB	0900	OS 6P
DNM=121-19	BL=32	CC1	0906	OS 15C
DNM=121-21	BL=32	CD0	0921	OS 6P
DNM=121-22	BL=32	CD6	0927	OS 15C
DNM=121-23	BL=32	CE5	0942	OS 6P
DNM=121-25	BL=32	CEB	0948	OS 15C
DNM=121-26	BL=32	CEA	0963	OS 6P
DNM=121-28	BL=32	DD0	0969	OS 15C
DNM=121-29	BL=32	DDF	0984	OS 6P
DNM=121-30	BL=32	D15	0990	OS 15C
DNM=121-32	BL=32	D24	1005	OS 6P
DNM=121-33	BL=32	D2A	1011	OS 15C
DNM=121-35	BL=32	D39	1026	OS 6P
DNM=121-36	BL=32	D3F	1032	OS 15C
DNM=121-37	BL=32	D4E	1047	OS 6P
DNM=121-39	BL=32	D54	1053	OS 15C
DNM=121-40	BL=32	D63	1068	OS 6P
DNM=121-42	BL=32	D69	1074	OS 15C
DNM=121-43	BL=32	D78	1089	OS 6P
DNM=121-44	BL=32	D7E	1095	OS 15C
DNM=121-46	BL=32	D80	1110	OS 6P
DNM=121-47	BL=32	D93	1116	OS 15C
DNM=121-49	BL=32	DA2	1131	OS 6P
DNM=122-00	BL=32	DAB	1137	OS 15C
DNM=122-01	BL=32	D87	1152	OS 6P
DNM=122-02	BL=32	D87	1158	OS 15C
DNM=122-04	BL=32	DCC	1173	OS 6P
DNM=122-05	BL=32	D02	1179	OS 15C
DNM=122-07	BL=32	DE1	1194	OS 6P
DNM=122-08	BL=32	DE7	1200	OS 15C
DNM=122-09	BL=32	DF6	1215	OS 6P
DNM=122-11	BL=32	DFC	1221	OS 15C
DNM=122-12	BL=32	E08	1236	OS 6P
DNM=122-14	BL=32	E11	1242	OS 15C
DNM=122-15	BL=32	E20	1257	OS 6P
DNM=122-16	BL=32	E26	1263	OS 15C
DNM=122-18	BL=32	E35	1278	OS 6P
DNM=122-19	BL=32	E38	1284	OS 15C
DNM=122-21	BL=32	E4A	1299	OS 6P
DNM=122-22	BL=32	E50	1305	OS 15C
DNM=122-23	BL=32	E5F	1320	OS 6P
DNM=122-25	BL=32	E65	1326	OS 15C
DNM=122-26	BL=32	E7A	1341	OS 6P
DNM=122-28	BL=32	E7A	1347	OS 15C
DNM=122-29	BL=32	E89	1362	OS 6P
DNM=122-30	BL=32	E8F	1368	OS 15C
DNM=122-32	BL=32	E9E	1383	OS 6P
DNM=122-33	BL=32	E44	1389	OS 15C
DNM=122-35	BL=32	E83	1404	OS 6P
DNM=122-36	BL=32	E89	1410	OS 15C

71	WM100	10.43.12	APR 3, 1984	INT NAME	BASE	DISP	RL01	DEFINITION
03446	017120	03 FILLER	PIC 9(10)	COMP-3	VALUE	2204000000.		DNM=122-37 BL=32 EC8 1425 DS 6P
03447	017130	03 FILLER	PIC X(15)	VALUE	0L1 0L2 0L3			DNM=122-39 BL=32 ECE 1431 DS 15C
03448	017140	03 FILLER	PIC 9(10)	COMP-3	VALUE	2205000000.		DNM=122-40 BL=32 EDD 1446 DS 6P
03449	017150	03 FILLER	PIC X(15)	VALUE	1W621W631W64.			DNM=122-42 BL=32 EE3 1452 DS 15C
03450	017160	03 FILLER	PIC 9(10)	COMP-3	VALUE	2210101000.		DNM=122-43 BL=32 EF2 1467 DS 6P
03451	017170	03 FILLER	PIC X(15)	VALUE	SC1 SC2			DNM=122-44 BL=32 EF8 1473 DS 15C
03452	017180	03 FILLER	PIC 9(10)	COMP-3	VALUE	9999999999.		DNM=122-46 BL=32 F07 1488 DS 6P
03453	017190	03 FILLER	PIC X(15)	VALUE				DNM=122-47 BL=32 F0D 1494 DS 15C
03454	017200	03 FILLER	PIC 9(10)	COMP-3	VALUE	9999999999.		DNM=122-49 BL=32 F1C 1509 DS 6P
03455	017210	03 FILLER	PIC X(15)	VALUE				DNM=123-00 BL=32 F22 1515 DS 15C
03456	017220	03 FILLER	PIC 9(10)	COMP-3	VALUE	9999999999.		DNM=123-01 BL=32 F31 1530 DS 6P
03457	017230	03 FILLER	PIC X(15)	VALUE				DNM=123-02 BL=32 F37 1536 DS 15C
03458	017240	03 FILLER	PIC 9(10)	COMP-3	VALUE	9999999999.		DNM=123-04 BL=32 F46 1551 DS 6P
03459	017250	03 FILLER	PIC X(15)	VALUE				DNM=123-05 BL=32 F4C 1557 DS 15C
03460	017260	03 FILLER	PIC 9(10)	COMP-3	VALUE	9999999999.		DNM=123-07 BL=32 F58 1572 DS 6P
03461	017270	03 FILLER	PIC X(15)	VALUE				DNM=123-08 BL=32 F61 1578 DS 15C
03462	017280	03 FILLER	PIC 9(10)	COMP-3	VALUE	9999999999.		DNM=123-09 BL=32 F70 1593 DS 6P
03463	017290	03 FILLER	PIC X(15)	VALUE				DNM=123-11 BL=32 F76 1599 DS 15C
03464	017300	03 FILLER	PIC 9(10)	COMP-3	VALUE	9999999999.		DNM=123-12 BL=32 F85 1614 DS 6P
03465	017310	03 FILLER	PIC X(15)	VALUE				DNM=123-14 BL=32 F88 1620 DS 15C
03466	017320	03 FILLER	PIC 9(10)	COMP-3	VALUE	9999999999.		DNM=123-15 BL=32 F9A 1635 DS 6P
03467	017330	03 FILLER	PIC X(15)	VALUE				DNM=123-16 BL=32 FA0 1641 DS 15C
03468	017340	03 FILLER	PIC X(15)	VALUE				
03469	017350	03 FILLER	PIC X(15)	VALUE				
03470	017360	03 FILLER	PIC X(15)	VALUE				
03471	017370	03 FILLER	PIC X(15)	VALUE				
03472	017380	03 FILLER	PIC X(15)	VALUE				
03473	017390	03 FILLER	PIC X(15)	VALUE				
03474	017400	03 FILLER	PIC X(15)	VALUE				
03475	017410	03 FILLER	PIC X(15)	VALUE				
03476	017420	03 FILLER	PIC X(15)	VALUE				
03477	017430	03 FILLER	PIC X(15)	VALUE				
03478	017440	03 FILLER	PIC X(15)	VALUE				
03479	017450	03 FILLER	PIC X(15)	VALUE				

72	WM100	10.43.12	APR 3, 1984	INT NAME	BASE	OISP	RL01	DEFINITION
03481	017479*							
03482	017480*							
03483	017490 01	STATION-TABLE-2.						
03484	017500	03 FILLER PIC 9(110) COMP-3	VALUE 01000100000.					
03485	017510	03 FILLER PIC X(120)	VALUE '303 3045 305 CS1 CS3 C					
03486	017520-	'55 CS6 311 312 1E	IMS CS7 CS8 CS9 CS11 CS4					
03487	017530-	'CS12 CS15 CS16S						
03488	017540	03 FILLER PIC X(175)	VALUE SPACES.					
03489	017550	03 FILLER PIC 9(110) COMP-3	VALUE 01000200000.					
03490	017560	03 FILLER PIC X(120)	VALUE '2ME 2MW 2W					
03491	017570-	'526 CS28 CS29						
03492	017580-							
03493	017590	03 FILLER PIC X(175)	VALUE SPACES.					
03494	017600	03 FILLER PIC 9(110) COMP-3	VALUE 01000300000.					
03495	017610	03 FILLER PIC X(120)	VALUE 'CS18 CS35 CS38 CS39					
03496	017620-							
03497	017630-							
03498	017640	03 FILLER PIC X(175)	VALUE SPACES.					
03499	017650	03 FILLER PIC 9(110) COMP-3	VALUE 01000600000.					
03500	017660	03 FILLER PIC X(120)	VALUE 'AS4 CS60S					
03501	017670-							
03502	017680-							
03503	017690	03 FILLER PIC X(175)	VALUE SPACES.					
03504	017700	03 FILLER PIC 9(110) COMP-3	VALUE 01110000000.					
03505	017710-	03 FILLER PIC X(120)	VALUE 'CS48					
03506	017720-							
03507	017730-							
03508	017740	03 FILLER PIC X(175)	VALUE SPACES.					
03509	017750	03 FILLER PIC 9(110) COMP-3	VALUE 01140000000.					
03510	017760	03 FILLER PIC X(120)	VALUE '321 322 4E 4M 4W 3					
03511	017770-	'34 CS43 CS44 CS45 CS46 CS54 CS56 CS58						
03512	017780-							
03513	017790	03 FILLER PIC X(175)	VALUE SPACES.					
03514	017800-	03 FILLER PIC 9(110) COMP-3	VALUE 01140201000.					
03515	017810	03 FILLER PIC X(120)	VALUE '6 7 8 CS49					
03516	017820-							
03517	017830-							
03518	017840	03 FILLER PIC X(175)	VALUE SPACES.					
03519	017850	03 FILLER PIC 9(110) COMP-3	VALUE 02000100000.					
03520	017860-	03 FILLER PIC X(120)	VALUE 'CR3					
03521	017870-							
03522	017880-							
03523	017890	03 FILLER PIC X(175)	VALUE SPACES.					
03524	017900	03 FILLER PIC 9(110) COMP-3	VALUE 02000200000.					
03525	017910	03 FILLER PIC X(120)	VALUE '53 56 91P 52P 53P 5					
03526	017920-	'4P T1 T2 1 2 3						
03527	017930-							
03528	017940	03 FILLER PIC X(175)	VALUE SPACES.					
03529	017950	03 FILLER PIC 9(110) COMP-3	VALUE 02000300000.					
03530	017960	03 FILLER PIC X(120)	VALUE 'T4 T8					
03531	017970-							
03532	017980-							
03533	017990	03 FILLER PIC X(175)	VALUE SPACES.					
03534	018000	03 FILLER PIC 9(110) COMP-3	VALUE 02000400000.					

73	MI00	10.43.12	APR 3.1984	INT NAME	BASE	DISP	RL01	DEFINITION
03535	018010	03 FILLER PIC X(120)	VALUE *1295-AS19-AS20-AS24-54 5	DNM=124-29	BL=33	810	2017	DS 120C
03536	018020	*5 S5P S6P S7P S8P T5 T6 T7 8	VALUE SPACES.	DNM=124-30	BL=33	888	2137	DS 75C
03537	018030	03 FILLER PIC X(75)	VALUE SPACES.	DNM=124-32	BL=33	803	2212	DS 6P
03538	018040	03 FILLER PIC X(10)	COMP-3 VALUE 0200050000.	DNM=124-33	BL=33	809	2218	DS 120C
03539	018050	03 FILLER PIC X(120)	VALUE *AS11 15 A2 W2 W4	DNM=124-35	BL=33	951	2338	DS 75C
03540	018060	03 FILLER PIC X(120)	VALUE SPACES.	DNM=124-36	BL=33	99C	2413	DS 6P
03541	018070	03 FILLER PIC X(75)	VALUE *W3 4 9	DNM=124-37	BL=33	9A2	2419	DS 120C
03542	018080	03 FILLER PIC X(10)	COMP-3 VALUE 0200060000.	DNM=124-39	BL=33	A1A	2539	DS 75C
03543	018090	03 FILLER PIC X(75)	VALUE SPACES.	DNM=124-40	BL=33	A65	2614	DS 6P
03544	018100	03 FILLER PIC X(10)	COMP-3 VALUE 0200070000.	DNM=124-42	BL=33	A68	2620	DS 120C
03545	018110	03 FILLER PIC X(120)	VALUE *143 AS12 E1 E3 A1 A	DNM=124-43	BL=33	AE3	2740	DS 75C
03546	018120	03 FILLER PIC X(75)	VALUE SPACES.	DNM=124-44	BL=33	B2E	2815	DS 6P
03547	018130	03 FILLER PIC X(10)	COMP-3 VALUE 0200080000.	DNM=124-46	BL=33	B34	2821	DS 120C
03548	018140	03 FILLER PIC X(75)	VALUE SPACES.	DNM=124-47	BL=33	BAC	2941	DS 75C
03549	018150	03 FILLER PIC X(10)	COMP-3 VALUE 0200090000.	DNM=124-49	BL=33	BF7	3016	DS 6P
03550	018160	03 FILLER PIC X(120)	VALUE *A4 5 6	DNM=125-00	BL=33	8F0	3022	DS 120C
03551	018170	03 FILLER PIC X(75)	VALUE SPACES.	DNM=125-01	BL=33	C75	3142	DS 75C
03552	018180	03 FILLER PIC X(10)	COMP-3 VALUE 0200090000.	DNM=125-02	BL=33	CC0	3217	DS 6P
03553	018190	03 FILLER PIC X(75)	VALUE SPACES.	DNM=125-04	BL=33	CC6	3223	DS 120C
03554	018200	03 FILLER PIC X(10)	COMP-3 VALUE 0200100000.	DNM=125-05	BL=33	D3E	3343	DS 75C
03555	018210	03 FILLER PIC X(120)	VALUE *AS27 AS29 E2 E4	DNM=125-07	BL=33	D89	3418	DS 6P
03556	018220	03 FILLER PIC X(75)	VALUE SPACES.	DNM=125-08	BL=33	D8F	3424	DS 120C
03557	018230	03 FILLER PIC X(10)	COMP-3 VALUE 0200100000.	DNM=125-09	BL=33	E07	3544	DS 75C
03558	018240	03 FILLER PIC X(75)	VALUE SPACES.	DNM=125-11	BL=33	E52	3619	DS 6P
03559	018250	03 FILLER PIC X(10)	COMP-3 VALUE 0200100000.	DNM=125-12	BL=33	E58	3625	DS 120C
03560	018260	03 FILLER PIC X(120)	VALUE *AS14	DNM=125-14	BL=33	E00	3745	DS 75C
03561	018270	03 FILLER PIC X(75)	VALUE SPACES.	DNM=125-15	BL=33	F18	3820	DS 6P
03562	018280	03 FILLER PIC X(10)	COMP-3 VALUE 0200100000.	DNM=125-16	BL=33	F21	3826	DS 120C
03563	018290	03 FILLER PIC X(75)	VALUE SPACES.	DNM=125-18	BL=33	F99	3946	DS 75C
03564	018300	03 FILLER PIC X(10)	COMP-3 VALUE 0200100000.	DNM=125-19	BL=33	FE4	4021	DS 6P
03565	018310	03 FILLER PIC X(120)	VALUE *AS34 AS35 AS37	DNM=125-21	BL=33	FEA	4027	DS 120C
03566	018320	03 FILLER PIC X(75)	VALUE SPACES.	DNM=125-22	BL=34	062	4147	DS 75C
03567	018330	03 FILLER PIC X(10)	COMP-3 VALUE 0200100000.					
03568	018340	03 FILLER PIC X(75)	VALUE SPACES.					
03569	018350	03 FILLER PIC X(10)	COMP-3 VALUE 0200100000.					
03570	018360	03 FILLER PIC X(120)	VALUE *AR6 AR7					
03571	018370	03 FILLER PIC X(75)	VALUE SPACES.					
03572	018380	03 FILLER PIC X(10)	COMP-3 VALUE 0200100000.					
03573	018390	03 FILLER PIC X(75)	VALUE SPACES.					
03574	018400	03 FILLER PIC X(10)	COMP-3 VALUE 0200100000.					
03575	018410	03 FILLER PIC X(120)	VALUE *AR6 AR7					
03576	018420	03 FILLER PIC X(75)	VALUE SPACES.					
03577	018430	03 FILLER PIC X(10)	COMP-3 VALUE 0200100000.					
03578	018440	03 FILLER PIC X(75)	VALUE SPACES.					
03579	018450	03 FILLER PIC X(10)	COMP-3 VALUE 0200100000.					
03580	018460	03 FILLER PIC X(120)	VALUE *133 AS2 AS3 AS5					
03581	018470	03 FILLER PIC X(75)	VALUE SPACES.					
03582	018480	03 FILLER PIC X(10)	COMP-3 VALUE 0200100000.					
03583	018490	03 FILLER PIC X(75)	VALUE SPACES.					
03584	018500	03 FILLER PIC X(10)	COMP-3 VALUE 0200100000.					
03585	018510	03 FILLER PIC X(120)	VALUE *AS8A 147					
03586	018520	03 FILLER PIC X(75)	VALUE SPACES.					
03587	018530	03 FILLER PIC X(10)	COMP-3 VALUE 0200100000.					
03588	018540	03 FILLER PIC X(75)	VALUE SPACES.					

74

10.43.12

APR 3, 1984

NM100

INT NAME

BASE

DISP

RLO1

DEFINITION

INT NAME	BASE	DISP	RLO1	DEFINITION
03589 018550	03 FILLER	PIC X(10)	COMP-3	VALUE 0201000000.
03590 018560	03 FILLER	PIC X(120)	VALUE 02	DA 09 D13 D15 N
03591 018570	03 FILLER	PIC X(120)	NR8 NR7 NR6 NR5 NR4 NR3 NR2 NR1	23 24 25 26
03592 018580	03 FILLER	PIC X(75)	VALUE SPACES.	
03593 018590	03 FILLER	PIC X(10)	COMP-3	VALUE 0201000000.
03594 018600	03 FILLER	PIC X(120)	VALUE 22	12 23
03595 018610	03 FILLER	PIC X(75)	VALUE SPACES.	
03596 018620	03 FILLER	PIC X(10)	COMP-3	VALUE 0202000000.
03597 018630	03 FILLER	PIC X(120)	VALUE 18	3 7 11 A16-1
03598 018640	03 FILLER	PIC X(75)	VALUE SPACES.	
03599 018650	03 FILLER	PIC X(10)	COMP-3	VALUE 0203000000.
03600 018660	03 FILLER	PIC X(120)	VALUE 28	
03601 018670	03 FILLER	PIC X(75)	VALUE SPACES.	
03602 018680	03 FILLER	PIC X(10)	COMP-3	VALUE 0204000000.
03603 018690	03 FILLER	PIC X(120)	VALUE 20	A1 A3 A5
03604 018700	03 FILLER	PIC X(75)	VALUE SPACES.	
03605 018710	03 FILLER	PIC X(10)	COMP-3	VALUE 0205000000.
03606 018720	03 FILLER	PIC X(120)	VALUE 25	
03607 018730	03 FILLER	PIC X(75)	VALUE SPACES.	
03608 018740	03 FILLER	PIC X(10)	COMP-3	VALUE 0206000000.
03609 018750	03 FILLER	PIC X(120)	VALUE 28	
03610 018760	03 FILLER	PIC X(75)	VALUE SPACES.	
03611 018770	03 FILLER	PIC X(10)	COMP-3	VALUE 0207000000.
03612 018780	03 FILLER	PIC X(120)	VALUE 31	3 6 7 8 A3 A5 A6
03613 018790	03 FILLER	PIC X(75)	VALUE SPACES.	
03614 018800	03 FILLER	PIC X(10)	COMP-3	VALUE 0208000000.
03615 018810	03 FILLER	PIC X(120)	VALUE 36	B5 B6 B7 B8 B9 B1
03616 018820	03 FILLER	PIC X(75)	VALUE SPACES.	
03617 018830	03 FILLER	PIC X(10)	COMP-3	VALUE 0209000000.
03618 018840	03 FILLER	PIC X(120)	VALUE 18	
03619 018850	03 FILLER	PIC X(75)	VALUE SPACES.	
03620 018860	03 FILLER	PIC X(10)	COMP-3	VALUE 0210000000.
03621 018870	03 FILLER	PIC X(120)	VALUE 14	19 20 38 16 17 A1 A3 A5 A6
03622 018880	03 FILLER	PIC X(75)	VALUE SPACES.	
03623 018890	03 FILLER	PIC X(10)	COMP-3	VALUE 0211000000.
03624 018900	03 FILLER	PIC X(120)	VALUE 36	B5 B6 B7 B8 B9 B1
03625 018910	03 FILLER	PIC X(75)	VALUE SPACES.	
03626 018920	03 FILLER	PIC X(10)	COMP-3	VALUE 0212000000.
03627 018930	03 FILLER	PIC X(120)	VALUE 37	A18
03628 018940	03 FILLER	PIC X(75)	VALUE SPACES.	
03629 018950	03 FILLER	PIC X(10)	COMP-3	VALUE 0213000000.
03630 018960	03 FILLER	PIC X(120)	VALUE 13	15
03631 018970	03 FILLER	PIC X(75)	VALUE SPACES.	
03632 018980	03 FILLER	PIC X(10)	COMP-3	VALUE 0214000000.
03633 018990	03 FILLER	PIC X(120)	VALUE 28	
03634 019000	03 FILLER	PIC X(75)	VALUE SPACES.	
03635 019010	03 FILLER	PIC X(10)	COMP-3	VALUE 0215000000.
03636 019020	03 FILLER	PIC X(120)	VALUE 34	10
03637 019030	03 FILLER	PIC X(75)	VALUE SPACES.	
03638 019040	03 FILLER	PIC X(10)	COMP-3	VALUE 0216000000.
03639 019050	03 FILLER	PIC X(120)	VALUE 28	9
03640 019060	03 FILLER	PIC X(75)	VALUE SPACES.	
03641 019070	03 FILLER	PIC X(10)	COMP-3	VALUE 0217000000.
03642 019080	03 FILLER	PIC X(120)	VALUE 43	

75	NH100	10-43-12	APR 3,1984	INT NAME	BASE	DISP	RL01	DEFINITION
03643	019090	03 FILLER PIC X(175)	VALUE SPACES.	DNM=126-35	BL=34 C29	7162	DS 75C	
03644	019100	03 FILLER PIC 9(10) COMP-3	VALUE 0206030000.	DNM=126-36	BL=34 C74	7237	DS 6P	
03645	019110	03 FILLER PIC X(120)	VALUE 'E3	DNM=126-37	BL=34 C7A	7243	DS 120C	
03646	019120	03 FILLER PIC X(175)	VALUE SPACES.	DNM=126-39	BL=34 CF2	7363	DS 75C	
03647	019130	03 FILLER PIC 9(10) COMP-3	VALUE 0207000000.	DNM=126-40	BL=34 D3D	7438	DS 6P	
03648	019140	03 FILLER PIC X(120)	VALUE 'EB2 EB3 EB5 PJ1 PJ2 12	DNM=126-42	BL=34 D43	7444	DS 120C	
03649	019150	03 FILLER PIC X(175)	VALUE SPACES.	DNM=126-43	BL=34 DB8	7564	DS 75C	
03650	019160	03 FILLER PIC 9(10) COMP-3	VALUE 0207010000.	DNM=126-44	BL=34 E06	7639	DS 6P	
03651	019170	03 FILLER PIC X(120)	VALUE '10 2	DNM=126-46	BL=34 E0C	7645	DS 120C	
03652	019180	03 FILLER PIC X(175)	VALUE SPACES.	DNM=126-47	BL=34 E84	7765	DS 75C	
03653	019190	03 FILLER PIC 9(10) COMP-3	VALUE 0207020000.	DNM=126-49	BL=34 ECF	7840	DS 6P	
03654	019200	03 FILLER PIC X(120)	VALUE '8 9 11 51 EB6 13	DNM=127-00	BL=34 ED5	7846	DS 120C	
03655	019210	03 FILLER PIC X(175)	VALUE SPACES.	DNM=127-01	BL=34 F4D	7966	DS 75C	
03656	019220	03 FILLER PIC X(120)	VALUE SPACES.	DNM=127-02	BL=34 F98	8041	DS 6P	
03657	019230	03 FILLER PIC 9(10) COMP-3	VALUE 0208000100.	DNM=127-04	BL=34 F9E	8047	DS 120C	
03658	019240	03 FILLER PIC X(175)	VALUE 'C1 C15 CR8 CR13 CR14 EP0	DNM=127-05	BL=35 016	0025	DS 75C	
03659	019250	03 FILLER PIC 9(10) COMP-3	VALUE 'C1 C15 CR8 CR13 CR14 EP0	DNM=127-07	BL=35 061	0050	DS 6P	
03660	019260	03 FILLER PIC X(120)	VALUE '1 EP02 EP05 EP06 EP07 EP08 NA01 NA02 NA03 NA10 NA25 NA26	DNM=127-08	BL=35 067	0056	DS 120C	
03661	019270	03 FILLER PIC X(175)	VALUE SPACES.	DNM=127-09	BL=35 0DF	0176	DS 75C	
03662	019280	03 FILLER PIC 9(10) COMP-3	VALUE 0208000300.	DNM=127-11	BL=35 12A	0251	DS 6P	
03663	019290	03 FILLER PIC X(120)	VALUE '58 9 10 C412 CR15 070	DNM=127-12	BL=35 130	0257	DS 120C	
03664	019300	03 FILLER PIC X(175)	VALUE SPACES.	DNM=127-14	BL=35 1A8	0377	DS 75C	
03665	019310	03 FILLER PIC 9(10) COMP-3	VALUE 0208000200.	DNM=127-15	BL=35 1F3	0452	DS 6P	
03666	019320	03 FILLER PIC X(120)	VALUE 'C10 CR11 NA05 NA06-11 25	DNM=127-16	BL=35 1F9	0458	DS 120C	
03667	019330	03 FILLER PIC X(175)	VALUE SPACES.	DNM=127-18	BL=35 271	0578	DS 75C	
03668	019340	03 FILLER PIC 9(10) COMP-3	VALUE '58 9 10 C412 CR15 070	DNM=127-19	BL=35 28C	0653	DS 6P	
03669	019350	03 FILLER PIC X(120)	VALUE '41NA13 EP03 EP04 NA07 NA14 NA22 NA23 NA28 CR17 NA13 35	DNM=127-21	BL=35 2C2	0659	DS 120C	
03670	019360	03 FILLER PIC X(175)	VALUE SPACES.	DNM=127-22	BL=35 33A	0779	DS 75C	
03671	019370	03 FILLER PIC 9(10) COMP-3	VALUE 0208000400.	DNM=127-23	BL=35 385	0854	DS 6P	
03672	019380	03 FILLER PIC X(120)	VALUE 'C10 CR11 NA05 NA06-11 25	DNM=127-25	BL=35 388	0860	DS 120C	
03673	019390	03 FILLER PIC X(175)	VALUE SPACES.	DNM=127-26	BL=35 403	0980	DS 75C	
03674	019400	03 FILLER PIC 9(10) COMP-3	VALUE 0208000500.	DNM=127-28	BL=35 44E	1055	DS 6P	
03675	019410	03 FILLER PIC X(120)	VALUE 'C10 CR11 NA05 NA06-11 25	DNM=127-29	BL=35 454	1061	DS 120C	
03676	019420	03 FILLER PIC X(175)	VALUE SPACES.	DNM=127-30	BL=35 4CC	1181	DS 75C	
03677	019430	03 FILLER PIC 9(10) COMP-3	VALUE 'C10 CR11 NA05 NA06-11 25	DNM=127-32	BL=35 517	1256	DS 6P	
03678	019440	03 FILLER PIC X(120)	VALUE '1 NA32 29 36 38	DNM=127-33	BL=35 51D	1262	DS 120C	
03679	019450	03 FILLER PIC X(175)	VALUE SPACES.	DNM=127-35	BL=35 595	1382	DS 75C	
03680	019460	03 FILLER PIC 9(10) COMP-3	VALUE 0208000600.	DNM=127-36	BL=35 5E0	1457	DS 6P	
03681	019470	03 FILLER PIC X(120)	VALUE 'C10 CR11 NA05 NA06-11 25	DNM=127-37	BL=35 5E6	1463	DS 120C	
03682	019480	03 FILLER PIC X(175)	VALUE SPACES.	DNM=127-39	BL=35 65E	1583	DS 75C	
03683	019490	03 FILLER PIC 9(10) COMP-3	VALUE 0208010000.	DNM=127-40	BL=35 6A9	1658	DS 6P	
03684	019500	03 FILLER PIC X(120)	VALUE 'R1 R2	DNM=127-42	BL=35 6AF	1664	DS 120C	
03685	019510	03 FILLER PIC X(175)	VALUE SPACES.	DNM=127-43	BL=35 727	1784	DS 75C	
03686	019520	03 FILLER PIC 9(10) COMP-3	VALUE 0208040000.					
03687	019530	03 FILLER PIC X(120)	VALUE 'W2 W3					
03688	019540	03 FILLER PIC X(175)	VALUE SPACES.					
03689	019550	03 FILLER PIC 9(10) COMP-3	VALUE 0208050000.					
03690	019560	03 FILLER PIC X(120)	VALUE '60 59 82 84 85 8					
03691	019570	03 FILLER PIC X(175)	VALUE SPACES.					
03692	019580	03 FILLER PIC 9(10) COMP-3	VALUE 0208060000.					
03693	019590	03 FILLER PIC X(120)	VALUE 'M3					
03694	019600	03 FILLER PIC X(175)	VALUE SPACES.					
03695	019610	03 FILLER PIC 9(10) COMP-3	VALUE 0208070000.					
03696	019620	03 FILLER PIC X(120)	VALUE SPACES.					

76	RM100	10.43.12	APR 3, 1984	INT NAME	BASE	DISP	RLOI	DEFINITION
03697	019630	03 FILLER	PIC 9(1101) COMP-3	VALUE 0208120000.				
03698	019640	03 FILLER	PIC X(1201)	VALUE 'N4 31				
03699	019650	03 FILLER	PIC X(1751)	VALUE SPACES.				
03700	019660	03 FILLER	PIC 9(1101) COMP-3	VALUE SPACES.				
03701	019670	03 FILLER	PIC X(11201)	VALUE '63 65 K1 K3 K4 L				
03702	019680	03 FILLER	PIC X(1201)	VALUE '63 65 K1 K3 K4 L				
03703	019690	03 FILLER	PIC X(1751)	VALUE SPACES.				
03704	019700	03 FILLER	PIC 9(1101) COMP-3	VALUE 0208140100.				
03705	019710	03 FILLER	PIC X(11201)	VALUE 'L6 L5				
03706	019720	03 FILLER	PIC X(1751)	VALUE SPACES.				
03707	019730	03 FILLER	PIC 9(1101) COMP-3	VALUE 0208190000.				
03708	019740	03 FILLER	PIC X(11201)	VALUE '4 5 67 69 M1 M				
03709	019750	03 FILLER	PIC X(1201)	VALUE '4 5 67 69 M1 M				
03710	019760	03 FILLER	PIC X(1751)	VALUE SPACES.				
03711	019770	03 FILLER	PIC 9(1101) COMP-3	VALUE 0208190100.				
03712	019780	03 FILLER	PIC X(11201)	VALUE 'P1 P2 P3 P4 P5 P				
03713	019790	03 FILLER	PIC X(1751)	VALUE SPACES.				
03714	019800	03 FILLER	PIC 9(1101) COMP-3	VALUE 0208190100.				
03715	019810	03 FILLER	PIC X(11201)	VALUE 'P1 P2 P3 P4 P5 P				
03716	019820	03 FILLER	PIC X(1751)	VALUE SPACES.				
03717	019830	03 FILLER	PIC 9(1101) COMP-3	VALUE 0208190200.				
03718	019840	03 FILLER	PIC X(11201)	VALUE '9				
03719	019850	03 FILLER	PIC X(1751)	VALUE SPACES.				
03720	019860	03 FILLER	PIC 9(1101) COMP-3	VALUE 0208200000.				
03721	019870	03 FILLER	PIC X(11201)	VALUE '52 1 2 3				
03722	019880	03 FILLER	PIC X(1751)	VALUE SPACES.				
03723	019890	03 FILLER	PIC 9(1101) COMP-3	VALUE 0208230000.				
03724	019900	03 FILLER	PIC X(11201)	VALUE '04 05 NA35-1 2 3				
03725	019910	03 FILLER	PIC X(1751)	VALUE SPACES.				
03726	019920	03 FILLER	PIC 9(1101) COMP-3	VALUE 0208240000.				
03727	019930	03 FILLER	PIC X(11201)	VALUE 'P4 P5 12 13				
03728	019940	03 FILLER	PIC X(1751)	VALUE SPACES.				
03729	019950	03 FILLER	PIC 9(1101) COMP-3	VALUE 0209000000.				
03730	019960	03 FILLER	PIC X(11201)	VALUE 'BB1 B82 AS23 EP09 7				
03731	019970	03 FILLER	PIC X(1751)	VALUE SPACES.				
03732	019980	03 FILLER	PIC 9(1101) COMP-3	VALUE 0209010000.				
03733	019990	03 FILLER	PIC X(11201)	VALUE '2 715 75 73 CR2 C				
03734	020000	03 FILLER	PIC X(1751)	VALUE SPACES.				
03735	020010	03 FILLER	PIC 9(1101) COMP-3	VALUE 0209010200.				
03736	020020	03 FILLER	PIC X(11201)	VALUE '17				
03737	020030	03 FILLER	PIC X(1751)	VALUE SPACES.				
03738	020040	03 FILLER	PIC 9(1101) COMP-3	VALUE 0209010200.				
03739	020050	03 FILLER	PIC X(11201)	VALUE SPACES.				
03740	020060	03 FILLER	PIC 9(1101) COMP-3	VALUE 0209010200.				</

77	MM100	10-43.12	APR 3, 1984	INT NAME	BASE	DISP	RL01	DEFINITION
03751	020170	03 FILLER	PIC (110) COMP-3	VALUE	0210000300			
03752	020180	03 FILLER	PIC (1120)	VALUE	RR24 RR25 RR26			
03753	020190	03 FILLER	PIC (175)	VALUE	SPACES			
03754	020200	03 FILLER	PIC (110) COMP-3	VALUE	0210000400			
03755	020210	03 FILLER	PIC (1120)	VALUE	RR30 RR31 RR21 24 42			
03756	020220	03 FILLER	PIC (175)	VALUE	SPACES			
03757	020230	03 FILLER	PIC (110) COMP-3	VALUE	0210000500			
03758	020240	03 FILLER	PIC (1120)	VALUE	RR32 RR33 RR34 20			
03759	020250	03 FILLER	PIC (175)	VALUE	SPACES			
03760	020260	03 FILLER	PIC (110) COMP-3	VALUE	0210000600			
03761	020270	03 FILLER	PIC (1120)	VALUE	SPACES			
03762	020280	03 FILLER	PIC (175)	VALUE	SPACES			
03763	020290	03 FILLER	PIC (110) COMP-3	VALUE	0210010000			
03764	020300	03 FILLER	PIC (1120)	VALUE	35 36 41			
03765	020310	03 FILLER	PIC (175)	VALUE	SPACES			
03766	020320	03 FILLER	PIC (110) COMP-3	VALUE	0210070000			
03767	020330	03 FILLER	PIC (1120)	VALUE	3 4 5 6 7			
03768	020340	03 FILLER	PIC (175)	VALUE	SPACES			
03769	020350	03 FILLER	PIC (110) COMP-3	VALUE	0210080000			
03770	020360	03 FILLER	PIC (1120)	VALUE	39			
03771	020370	03 FILLER	PIC (175)	VALUE	SPACES			
03772	020380	03 FILLER	PIC (110) COMP-3	VALUE	0212000000			
03773	020390	03 FILLER	PIC (1120)	VALUE	M5 M7			
03774	020400	03 FILLER	PIC (175)	VALUE	SPACES			
03775	020410	03 FILLER	PIC (110) COMP-3	VALUE	0213000000			
03776	020420	03 FILLER	PIC (1120)	VALUE	11 6			
03777	020430	03 FILLER	PIC (175)	VALUE	SPACES			
03778	020440	03 FILLER	PIC (110) COMP-3	VALUE	0213010000			
03779	020450	03 FILLER	PIC (1120)	VALUE	4 9 10 25 35 40 4			
03780	020460	03 FILLER	PIC (175)	VALUE	SPACES			
03781	020470	03 FILLER	PIC (110) COMP-3	VALUE	0213010400			
03782	020480	03 FILLER	PIC (1120)	VALUE	40			
03783	020490	03 FILLER	PIC (175)	VALUE	SPACES			
03784	020500	03 FILLER	PIC (110) COMP-3	VALUE	0213010500			
03785	020510	03 FILLER	PIC (1120)	VALUE	SPACES			
03786	020520	03 FILLER	PIC (175)	VALUE	SPACES			
03787	020530	03 FILLER	PIC (110) COMP-3	VALUE	0213010502			
03788	020540	03 FILLER	PIC (1120)	VALUE	401			
03789	020550	03 FILLER	PIC (175)	VALUE	SPACES			
03790	020560	03 FILLER	PIC (110) COMP-3	VALUE	0213010504			
03791	020570	03 FILLER	PIC (1120)	VALUE	7612 76NE 7801 7820 7650 7			
03792	020580	03 FILLER	PIC (175)	VALUE	802 7803 7804 7805 7806 7807 7808 7809 7810 7811 7812 781			
03793	020590	03 FILLER	PIC (110) COMP-3	VALUE	7613 7614 7815 7816 7817 7818 7819 7820 7607 7			
03794	020600	03 FILLER	PIC (1120)	VALUE	608 7609 7610 7611			
03795	020610	03 FILLER	PIC (175)	VALUE	SPACES			
03796	020620	03 FILLER	PIC (110) COMP-3	VALUE	0214000100			
03797	020630	03 FILLER	PIC (1120)	VALUE	209 19			
03798	020640	03 FILLER	PIC (175)	VALUE	SPACES			
03799	020650	03 FILLER	PIC (110) COMP-3	VALUE	0214000200			
03800	020660	03 FILLER	PIC (1120)	VALUE	203			
03801	020670	03 FILLER	PIC (175)	VALUE	SPACES			
03802	020680	03 FILLER	PIC (110) COMP-3	VALUE	0214000300			
03803	020690	03 FILLER	PIC (1120)	VALUE	1			
03804	020700	03 FILLER	PIC (175)	VALUE	SPACES			

78 NM100 10-43-12 APR 3-1984

INT NAME BASE DISP RLO1 DEFINITION

03805 020710 03 FILLER PIC X(10) COMP-3 VALUE *0214000700.

03806 020720 03 FILLER PIC X(120) VALUE *21 *.

03807 020730 03 FILLER PIC X(75) VALUE SPACES.

03808 020740 03 FILLER PIC X(10) COMP-3 VALUE *0214000800.

03809 020750 03 FILLER PIC X(120) VALUE *3E2 13

03810 020760 03 FILLER PIC X(75) VALUE SPACES.

03811 020770 03 FILLER PIC X(10) COMP-3 VALUE *0214010000.

03812 020780 03 FILLER PIC X(120) VALUE *LA2 LA3 LA4 LA6 LA7 305

03813 020790 03 FILLER PIC X(75) VALUE SPACES.

03814 020800 03 FILLER PIC X(10) COMP-3 VALUE *0214020000.

03815 020810 03 FILLER PIC X(120) VALUE *AR2 303 *.

03816 020820 03 FILLER PIC X(75) VALUE SPACES.

03817 020830 03 FILLER PIC X(10) COMP-3 VALUE *0214030100.

03818 020840 03 FILLER PIC X(120) VALUE *H3 H4 H5 301 23 *.

03819 020850 03 FILLER PIC X(75) VALUE SPACES.

03820 020860 03 FILLER PIC X(10) COMP-3 VALUE *0214040000.

03821 020870 03 FILLER PIC X(120) VALUE *202 201 AR16 *.

03822 020880 03 FILLER PIC X(75) VALUE SPACES.

03823 020890 03 FILLER PIC X(10) COMP-3 VALUE *0214050000.

03824 020900 03 FILLER PIC X(120) VALUE *E7 207

03825 020910 03 FILLER PIC X(75) VALUE SPACES.

03826 020920 03 FILLER PIC X(10) COMP-3 VALUE *0214060000.

03827 020930 03 FILLER PIC X(120) VALUE *104 105 106 G2 G4 G 6

03828 020940 03 FILLER PIC X(75) VALUE SPACES.

03829 020950 03 FILLER PIC X(10) COMP-3 VALUE *0214070000.

03830 020960 03 FILLER PIC X(120) VALUE *2E2

03831 020970 03 FILLER PIC X(75) VALUE SPACES.

03832 020980 03 FILLER PIC X(10) COMP-3 VALUE *NA5

03833 020990 03 FILLER PIC X(120) VALUE SPACES.

03834 021000 03 FILLER PIC X(75) VALUE *12

03835 021010 03 FILLER PIC X(10) COMP-3 VALUE *0214102000.

03836 021020 03 FILLER PIC X(120) VALUE SPACES.

03837 021030 03 FILLER PIC X(75) VALUE *0216000000.

03838 021040 03 FILLER PIC X(10) COMP-3 VALUE *BB3 BB4

03839 021050 03 FILLER PIC X(120) VALUE SPACES.

03840 021060 03 FILLER PIC X(75) VALUE *0300000000.

03841 021070 03 FILLER PIC X(10) COMP-3 VALUE *113 148 27 CR1 CR3 C

03842 021080 03 FILLER PIC X(120) VALUE SPACES.

03843 021090 03 FILLER PIC X(75) VALUE *0400000000.

03844 021100 03 FILLER PIC X(10) COMP-3 VALUE *E3 115 118 119 28 R9

03845 021110 03 FILLER PIC X(120) VALUE *R4 CR6 CR7 CR8 CR20 CR21

03846 021120 03 FILLER PIC X(75) VALUE SPACES.

03847 021130 03 FILLER PIC X(10) COMP-3 VALUE *0400000000.

03848 021140 03 FILLER PIC X(120) VALUE *P10 R12 R13 R14 R16 R17 R18 R19 R20 R21 R13 RS

03849 021150 03 FILLER PIC X(75) VALUE SPACES.

03850 021160 03 FILLER PIC X(10) COMP-3 VALUE *0401000000.

03851 021170 03 FILLER PIC X(120) VALUE *R2 R3 R12 *

03852 021180 03 FILLER PIC X(75) VALUE SPACES.

03853 021190 03 FILLER PIC X(10) COMP-3 VALUE *0404000000.

03854 021200 03 FILLER PIC X(120) VALUE *117 116 R111

03855 021210 03 FILLER PIC X(75) VALUE SPACES.

03856 021220 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03857 021230 03 FILLER PIC X(120) VALUE SPACES.

03858 021240 03 FILLER PIC X(75) VALUE SPACES.

03859 021250 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03860 021260 03 FILLER PIC X(120) VALUE SPACES.

03861 021270 03 FILLER PIC X(75) VALUE SPACES.

03862 021280 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03863 021290 03 FILLER PIC X(120) VALUE SPACES.

03864 021300 03 FILLER PIC X(75) VALUE SPACES.

03865 021310 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03866 021320 03 FILLER PIC X(120) VALUE SPACES.

03867 021330 03 FILLER PIC X(75) VALUE SPACES.

03868 021340 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03869 021350 03 FILLER PIC X(120) VALUE SPACES.

03870 021360 03 FILLER PIC X(75) VALUE SPACES.

03871 021370 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03872 021380 03 FILLER PIC X(120) VALUE SPACES.

03873 021390 03 FILLER PIC X(75) VALUE SPACES.

03874 021400 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03875 021410 03 FILLER PIC X(120) VALUE SPACES.

03876 021420 03 FILLER PIC X(75) VALUE SPACES.

03877 021430 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03878 021440 03 FILLER PIC X(120) VALUE SPACES.

03879 021450 03 FILLER PIC X(75) VALUE SPACES.

03880 021460 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03881 021470 03 FILLER PIC X(120) VALUE SPACES.

03882 021480 03 FILLER PIC X(75) VALUE SPACES.

03883 021490 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03884 021500 03 FILLER PIC X(120) VALUE SPACES.

03885 021510 03 FILLER PIC X(75) VALUE SPACES.

03886 021520 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03887 021530 03 FILLER PIC X(120) VALUE SPACES.

03888 021540 03 FILLER PIC X(75) VALUE SPACES.

03889 021550 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03890 021560 03 FILLER PIC X(120) VALUE SPACES.

03891 021570 03 FILLER PIC X(75) VALUE SPACES.

03892 021580 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03893 021590 03 FILLER PIC X(120) VALUE SPACES.

03894 021600 03 FILLER PIC X(75) VALUE SPACES.

03895 021610 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03896 021620 03 FILLER PIC X(120) VALUE SPACES.

03897 021630 03 FILLER PIC X(75) VALUE SPACES.

03898 021640 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03899 021650 03 FILLER PIC X(120) VALUE SPACES.

03900 021660 03 FILLER PIC X(75) VALUE SPACES.

03901 021670 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03902 021680 03 FILLER PIC X(120) VALUE SPACES.

03903 021690 03 FILLER PIC X(75) VALUE SPACES.

03904 021700 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03905 021710 03 FILLER PIC X(120) VALUE SPACES.

03906 021720 03 FILLER PIC X(75) VALUE SPACES.

03907 021730 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03908 021740 03 FILLER PIC X(120) VALUE SPACES.

03909 021750 03 FILLER PIC X(75) VALUE SPACES.

03910 021760 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03911 021770 03 FILLER PIC X(120) VALUE SPACES.

03912 021780 03 FILLER PIC X(75) VALUE SPACES.

03913 021790 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03914 021800 03 FILLER PIC X(120) VALUE SPACES.

03915 021810 03 FILLER PIC X(75) VALUE SPACES.

03916 021820 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03917 021830 03 FILLER PIC X(120) VALUE SPACES.

03918 021840 03 FILLER PIC X(75) VALUE SPACES.

03919 021850 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03920 021860 03 FILLER PIC X(120) VALUE SPACES.

03921 021870 03 FILLER PIC X(75) VALUE SPACES.

03922 021880 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03923 021890 03 FILLER PIC X(120) VALUE SPACES.

03924 021900 03 FILLER PIC X(75) VALUE SPACES.

03925 021910 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03926 021920 03 FILLER PIC X(120) VALUE SPACES.

03927 021930 03 FILLER PIC X(75) VALUE SPACES.

03928 021940 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03929 021950 03 FILLER PIC X(120) VALUE SPACES.

03930 021960 03 FILLER PIC X(75) VALUE SPACES.

03931 021970 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03932 021980 03 FILLER PIC X(120) VALUE SPACES.

03933 021990 03 FILLER PIC X(75) VALUE SPACES.

03934 022000 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03935 022010 03 FILLER PIC X(120) VALUE SPACES.

03936 022020 03 FILLER PIC X(75) VALUE SPACES.

03937 022030 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03938 022040 03 FILLER PIC X(120) VALUE SPACES.

03939 022050 03 FILLER PIC X(75) VALUE SPACES.

03940 022060 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03941 022070 03 FILLER PIC X(120) VALUE SPACES.

03942 022080 03 FILLER PIC X(75) VALUE SPACES.

03943 022090 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03944 022100 03 FILLER PIC X(120) VALUE SPACES.

03945 022110 03 FILLER PIC X(75) VALUE SPACES.

03946 022120 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03947 022130 03 FILLER PIC X(120) VALUE SPACES.

03948 022140 03 FILLER PIC X(75) VALUE SPACES.

03949 022150 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03950 022160 03 FILLER PIC X(120) VALUE SPACES.

03951 022170 03 FILLER PIC X(75) VALUE SPACES.

03952 022180 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03953 022190 03 FILLER PIC X(120) VALUE SPACES.

03954 022200 03 FILLER PIC X(75) VALUE SPACES.

03955 022210 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03956 022220 03 FILLER PIC X(120) VALUE SPACES.

03957 022230 03 FILLER PIC X(75) VALUE SPACES.

03958 022240 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03959 022250 03 FILLER PIC X(120) VALUE SPACES.

03960 022260 03 FILLER PIC X(75) VALUE SPACES.

03961 022270 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03962 022280 03 FILLER PIC X(120) VALUE SPACES.

03963 022290 03 FILLER PIC X(75) VALUE SPACES.

03964 022300 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03965 022310 03 FILLER PIC X(120) VALUE SPACES.

03966 022320 03 FILLER PIC X(75) VALUE SPACES.

03967 022330 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03968 022340 03 FILLER PIC X(120) VALUE SPACES.

03969 022350 03 FILLER PIC X(75) VALUE SPACES.

03970 022360 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03971 022370 03 FILLER PIC X(120) VALUE SPACES.

03972 022380 03 FILLER PIC X(75) VALUE SPACES.

03973 022390 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

03974 022400 03 FILLER PIC X(120) VALUE SPACES.

03975 022410 03 FILLER PIC X(75) VALUE SPACES.

03976 022420 03 FILLER PIC X(10) COMP-3 VALUE *0500300100.

INT NAME BASE DISP RLOI DEFINITION

APR 3, 1984

10.43.12

79 IM100

03859	021250	03	FILLER	PIC X(120)	VALUE	*H195-H125H14 H115-H116-H1	DNM=131-33	BL=37-ACD	2710	OS 120C
03860	021260	03	FILLER	PIC X(120)	VALUE	*H130 H119 H121 H122 H123 H124 H125 H126 H127 H128 H129				
03861	021270	03	FILLER	PIC X(120)	VALUE	*H130 H131 H132 H133H11 HAT2 HAT3				
03862	021280	03	FILLER	PIC X(120)	VALUE	*HAT4-HAT5 HAT6 H14				
03863	021290	03	FILLER	PIC X(120)	VALUE	*0500300200				
03864	021300	03	FILLER	PIC X(120)	VALUE	*017 018 019				
03865	021310	03	FILLER	PIC X(120)	VALUE	SPACES				
03866	021320	03	FILLER	PIC X(120)	VALUE	*0500300300				
03867	021330	03	FILLER	PIC X(120)	VALUE	*P14 P15 P16				
03868	021340	03	FILLER	PIC X(120)	VALUE	SPACES				
03869	021350	03	FILLER	PIC X(120)	VALUE	*0501000000				
03870	021360	03	FILLER	PIC X(120)	VALUE	*SPB4 SPB5 SPB6 P12 SPB7 SP				
03871	021370	03	FILLER	PIC X(120)	VALUE	SPACES				
03872	021380	03	FILLER	PIC X(120)	VALUE	SPACES				
03873	021390	03	FILLER	PIC X(120)	VALUE	*0503000000				
03874	021400	03	FILLER	PIC X(120)	VALUE	*LSR13P10 LSR14				
03875	021410	03	FILLER	PIC X(120)	VALUE	SPACES				
03876	021420	03	FILLER	PIC X(120)	VALUE	*0506000000				
03877	021430	03	FILLER	PIC X(120)	VALUE	*FC9 P9				
03878	021440	03	FILLER	PIC X(120)	VALUE	SPACES				
03879	021450	03	FILLER	PIC X(120)	VALUE	*0514000000				
03880	021460	03	FILLER	PIC X(120)	VALUE	*R87 R812 3F3				
03881	021470	03	FILLER	PIC X(120)	VALUE	SPACES				
03882	021480	03	FILLER	PIC X(120)	VALUE	*0521000000				
03883	021490	03	FILLER	PIC X(120)	VALUE	*JR9				
03884	021500	03	FILLER	PIC X(120)	VALUE	SPACES				
03885	021510	03	FILLER	PIC X(120)	VALUE	*0522000000				
03886	021520	03	FILLER	PIC X(120)	VALUE	*0509 SQB10P3 4F9				
03887	021530	03	FILLER	PIC X(120)	VALUE	SPACES				
03888	021540	03	FILLER	PIC X(120)	VALUE	*0522010000				
03889	021550	03	FILLER	PIC X(120)	VALUE	*SQB1LSQB1M				
03890	021560	03	FILLER	PIC X(120)	VALUE	SPACES				
03891	021570	03	FILLER	PIC X(120)	VALUE	*0526000000				
03892	021580	03	FILLER	PIC X(120)	VALUE	*R810 R813 R814 R815-R823-R				
03893	021590	03	FILLER	PIC X(120)	VALUE	*R829 P2				
03894	021600	03	FILLER	PIC X(120)	VALUE	SPACES				
03895	021610	03	FILLER	PIC X(120)	VALUE	*0526030000				
03896	021620	03	FILLER	PIC X(120)	VALUE	*RR1M R81L 4F7				
03897	021630	03	FILLER	PIC X(120)	VALUE	SPACES				
03898	021640	03	FILLER	PIC X(120)	VALUE	*0526050000				
03899	021650	03	FILLER	PIC X(120)	VALUE	*R82U				
03900	021660	03	FILLER	PIC X(120)	VALUE	SPACES				
03901	021670	03	FILLER	PIC X(120)	VALUE	*0527000000				
03902	021680	03	FILLER	PIC X(120)	VALUE	*SR13				
03903	021690	03	FILLER	PIC X(120)	VALUE	SPACES				
03904	021700	03	FILLER	PIC X(120)	VALUE	*0527020000				
03905	021710	03	FILLER	PIC X(120)	VALUE	*S87				
03906	021720	03	FILLER	PIC X(120)	VALUE	SPACES				
03907	021730	03	FILLER	PIC X(120)	VALUE	*0528000100				
03908	021740	03	FILLER	PIC X(120)	VALUE	*138 143 144 145 1535 1				
03909	021750	03	FILLER	PIC X(120)	VALUE	*159 160 161 1625 4F4 PAR33				
03910	021760	03	FILLER	PIC X(120)	VALUE	SPACES				
03911	021770	03	FILLER	PIC X(120)	VALUE	*0528000200				
03912	021780	03	FILLER	PIC X(120)	VALUE	*130 1315 132 136 141 P				

80	WM100	10-43-12	APR 3, 1984	INT NAME	BASE	DISP	RL01	DEFINITION
03913	021790	03 FILLER	PIC X(175)	VALUE SPACES.				
03914	021800	03 FILLER	PIC X(175)	VALUE SPACES.				
03915	021810	03 FILLER	PIC X(175)	VALUE SPACES.				
03916	021820	03 FILLER	PIC X(175)	VALUE SPACES.				
03917	021830	03 FILLER	PIC X(175)	VALUE SPACES.				
03918	021840	03 FILLER	PIC X(175)	VALUE SPACES.				
03919	021850	03 FILLER	PIC X(175)	VALUE SPACES.				
03920	021860	03 FILLER	PIC X(175)	VALUE SPACES.				
03921	021870	03 FILLER	PIC X(175)	VALUE SPACES.				
03922	021880	03 FILLER	PIC X(175)	VALUE SPACES.				
03923	021890	03 FILLER	PIC X(175)	VALUE SPACES.				
03924	021900	03 FILLER	PIC X(175)	VALUE SPACES.				
03925	021910	03 FILLER	PIC X(175)	VALUE SPACES.				
03926	021920	03 FILLER	PIC X(175)	VALUE SPACES.				
03927	021930	03 FILLER	PIC X(175)	VALUE SPACES.				
03928	021940	03 FILLER	PIC X(175)	VALUE SPACES.				
03929	021950	03 FILLER	PIC X(175)	VALUE SPACES.				
03930	021960	03 FILLER	PIC X(175)	VALUE SPACES.				
03931	021970	03 FILLER	PIC X(175)	VALUE SPACES.				
03932	021980	03 FILLER	PIC X(175)	VALUE SPACES.				
03933	021990	03 FILLER	PIC X(175)	VALUE SPACES.				
03934	022000	03 FILLER	PIC X(175)	VALUE SPACES.				
03935	022010	03 FILLER	PIC X(175)	VALUE SPACES.				
03936	022020	03 FILLER	PIC X(175)	VALUE SPACES.				
03937	022030	03 FILLER	PIC X(175)	VALUE SPACES.				
03938	022040	03 FILLER	PIC X(175)	VALUE SPACES.				
03939	022050	03 FILLER	PIC X(175)	VALUE SPACES.				
03940	022060	03 FILLER	PIC X(175)	VALUE SPACES.				
03941	022070	03 FILLER	PIC X(175)	VALUE SPACES.				
03942	022080	03 FILLER	PIC X(175)	VALUE SPACES.				
03943	022090	03 FILLER	PIC X(175)	VALUE SPACES.				
03944	022100	03 FILLER	PIC X(175)	VALUE SPACES.				
03945	022110	03 FILLER	PIC X(175)	VALUE SPACES.				
03946	022120	03 FILLER	PIC X(175)	VALUE SPACES.				
03947	022130	03 FILLER	PIC X(175)	VALUE SPACES.				
03948	022140	03 FILLER	PIC X(175)	VALUE SPACES.				
03949	022150	03 FILLER	PIC X(175)	VALUE SPACES.				
03950	022160	03 FILLER	PIC X(175)	VALUE SPACES.				
03951	022170	03 FILLER	PIC X(175)	VALUE SPACES.				
03952	022180	03 FILLER	PIC X(175)	VALUE SPACES.				
03953	022190	03 FILLER	PIC X(175)	VALUE SPACES.				
03954	022200	03 FILLER	PIC X(175)	VALUE SPACES.				
03955	022210	03 FILLER	PIC X(175)	VALUE SPACES.				
03956	022220	03 FILLER	PIC X(175)	VALUE SPACES.				
03957	022230	03 FILLER	PIC X(175)	VALUE SPACES.				
03958	022240	03 FILLER	PIC X(175)	VALUE SPACES.				
03959	022250	03 FILLER	PIC X(175)	VALUE SPACES.				
03960	022260	03 FILLER	PIC X(175)	VALUE SPACES.				
03961	022270	03 FILLER	PIC X(175)	VALUE SPACES.				
03962	022280	03 FILLER	PIC X(175)	VALUE SPACES.				
03963	022290	03 FILLER	PIC X(175)	VALUE SPACES.				
03964	022300	03 FILLER	PIC X(175)	VALUE SPACES.				
03965	022310	03 FILLER	PIC X(175)	VALUE SPACES.				
03966	022320	03 FILLER	PIC X(175)	VALUE SPACES.				

81	NR100	10.43.12	APR 3, 1984	INT NAME	BASE	DISP	RL01	DEFINITION
03967	022330	03 FILLER PIC X(120)	VALUE *PBR1					
03968	022340	03 FILLER PIC X(75)	VALUE SPACES.					
03969	022350	03 FILLER PIC X(10)	COMP-3 VALUE *0528200000.					
03970	022360	03 FILLER PIC X(120)	VALUE *105 106 109 101 TRI T					
03971	022370	03 FILLER PIC X(120)	VALUE *105 106 109 101 TRI T					
03972	022380	03 FILLER PIC X(75)	VALUE SPACES.					
03973	022390	03 FILLER PIC X(10)	COMP-3 VALUE *0528200000.					
03974	022400	03 FILLER PIC X(120)	VALUE *TTC2 TTC3 TTC4 TTC5					
03975	022410	03 FILLER PIC X(75)	VALUE SPACES.					
03976	022420	03 FILLER PIC X(10)	COMP-3 VALUE *0528200000.					
03977	022430	03 FILLER PIC X(120)	VALUE *TTC4					
03978	022440	03 FILLER PIC X(75)	VALUE SPACES.					
03979	022450	03 FILLER PIC X(10)	COMP-3 VALUE *0528200000.					
03980	022460	03 FILLER PIC X(120)	VALUE *TTC4 TTC5					
03981	022470	03 FILLER PIC X(75)	VALUE SPACES.					
03982	022480	03 FILLER PIC X(10)	COMP-3 VALUE *0528200000.					
03983	022490	03 FILLER PIC X(120)	VALUE *TTC4 TTC5					
03984	022500	03 FILLER PIC X(75)	VALUE SPACES.					
03985	022510	03 FILLER PIC X(10)	COMP-3 VALUE *0528200000.					
03986	022520	03 FILLER PIC X(120)	VALUE *TTC3					
03987	022530	03 FILLER PIC X(75)	VALUE SPACES.					
03988	022540	03 FILLER PIC X(10)	COMP-3 VALUE *0528200000.					
03989	022550	03 FILLER PIC X(120)	VALUE *TTC4					
03990	022560	03 FILLER PIC X(75)	VALUE SPACES.					
03991	022570	03 FILLER PIC X(10)	COMP-3 VALUE *0528200000.					
03992	022580	03 FILLER PIC X(120)	VALUE *PBR1					
03993	022590	03 FILLER PIC X(75)	VALUE SPACES.					
03994	022600	03 FILLER PIC X(10)	COMP-3 VALUE *0528200000.					
03995	022610	03 FILLER PIC X(120)	VALUE *PBR1 PAR34					
03996	022620	03 FILLER PIC X(75)	VALUE SPACES.					
03997	022630	03 FILLER PIC X(10)	COMP-3 VALUE *0528200000.					
03998	022640	03 FILLER PIC X(120)	VALUE *1495 146 150 151 PSC1					
03999	022650	03 FILLER PIC X(75)	VALUE SPACES.					
04000	022660	03 FILLER PIC X(10)	COMP-3 VALUE *0528200000.					
04001	022670	03 FILLER PIC X(120)	VALUE *S88 S89					
04002	022680	03 FILLER PIC X(75)	VALUE SPACES.					
04003	022690	03 FILLER PIC X(10)	COMP-3 VALUE *0530000000.					
04004	022700	03 FILLER PIC X(120)	VALUE *S83 J811 J812 J813 J814 J					
04005	022710	03 FILLER PIC X(75)	VALUE SPACES.					
04006	022720	03 FILLER PIC X(10)	COMP-3 VALUE *0530400000.					
04007	022730	03 FILLER PIC X(120)	VALUE *J813					
04008	022740	03 FILLER PIC X(75)	VALUE SPACES.					
04009	022750	03 FILLER PIC X(10)	COMP-3 VALUE *0534000000.					
04010	022760	03 FILLER PIC X(120)	VALUE *CN13 S70 S78					
04011	022770	03 FILLER PIC X(75)	VALUE SPACES.					
04012	022780	03 FILLER PIC X(10)	COMP-3 VALUE *0534040000.					
04013	022790	03 FILLER PIC X(120)	VALUE *J813					
04014	022800	03 FILLER PIC X(75)	VALUE SPACES.					
04015	022810	03 FILLER PIC X(10)	COMP-3 VALUE *0534100000.					
04016	022820	03 FILLER PIC X(120)	VALUE *A02 A03 A04 A05 A06 A					
04017	022830	03 FILLER PIC X(75)	VALUE *A07 A08 A09 B01 B02 B03 B04 B05 B06 B07 B08 B09					
04018	022840	03 FILLER PIC X(10)	COMP-3 VALUE *A01C A02C A03C A04C B01C B02C B03C					
04019	022850	03 FILLER PIC X(120)	VALUE *A065 C01C C02C C03C C04C C					
04020	022860	03 FILLER PIC X(75)	VALUE SPACES.					

82	NM130	10.43.12	APR 3.1984	INT NAME	BASE	DISP	RL01	DEFINITION
04021	022970	05C C06C C07G C08G C09C A01S A02S A03S A04S A05S *		DNN=135-40	BL=40	209	4570	DS 6P
04022	022980	03 FILLER PIC X(10) COMP-3 VALUE 0534100100.		DNN=135-42	BL=40	20F	4576	DS 120C
04023	022990	03 FILLER PIC X(120) VALUE 004C D05C D06C D07C D08C *		DNN=135-43	BL=40	287	4696	DS 75C
04024	022900	03 FILLER PIC X(75) VALUE SPACES.		DNN=135-44	BL=40	202	4771	DS 6P
04025	022910	03 FILLER PIC X(10) COMP-3 VALUE 0534100200.		DNN=135-46	BL=40	208	4777	DS 120C
04026	022920	03 FILLER PIC X(120) VALUE 013C *		DNN=135-47	BL=40	350	4897	DS 75C
04027	022930	03 FILLER PIC X(75) VALUE SPACES.		DNN=135-49	BL=40	398	4972	DS 6P
04028	022940	03 FILLER PIC X(10) COMP-3 VALUE 0535000100.		DNN=136-00	BL=40	3A1	4978	DS 120C
04029	022950	03 FILLER PIC X(120) VALUE *M8 M9 M10 M11 *		DNN=136-01	BL=40	419	5098	DS 75C
04030	022960	03 FILLER PIC X(75) VALUE SPACES.		DNN=136-02	BL=40	464	5173	DS 6P
04031	022970	03 FILLER PIC X(10) COMP-3 VALUE 0535000200.		DNN=136-04	BL=40	46A	5179	DS 120C
04032	022980	03 FILLER PIC X(120) VALUE 421 422S 434 437S NR1S N		DNN=136-05	BL=40	4E2	5299	DS 75C
04033	022990	*R3S NR4 NR12NR13M12 M13 M14 M15 M16 *		DNN=136-07	BL=40	52D	5374	DS 6P
04034	023000	03 FILLER PIC X(75) VALUE SPACES.		DNN=136-08	BL=40	533	5380	DS 120C
04035	023010	03 FILLER PIC X(10) COMP-3 VALUE 0535000300.		DNN=136-09	BL=40	5A8	5500	DS 75C
04036	023020	03 FILLER PIC X(120) VALUE 403 404 406 407 408 4		DNN=136-11	BL=40	5F6	5575	DS 6P
04037	023030	03 FILLER PIC X(75) VALUE *09 410S 411 413 414 415 416 N1 N2 NNR01NNR02NNR		DNN=136-12	BL=40	5FC	5581	DS 120C
04038	023040	*031NR04NR05NR06NNR07NNR08NNR09NNR10*		DNN=136-14	BL=40	674	5701	DS 75C
04039	023050	03 FILLER PIC X(75) VALUE *NR11NNR12NNR13NNR14NNR15N		DNN=136-15	BL=40	68F	5776	DS 6P
04040	023060	*NR16NNR17NNR18NNR19NNR20NNR21NNR22NNR23NNR24NNR25*		DNN=136-16	BL=40	6C5	5782	DS 120C
04041	023070	03 FILLER PIC X(10) COMP-3 VALUE 0535020000.		DNN=136-18	BL=40	730	5902	DS 75C
04042	023080	03 FILLER PIC X(120) VALUE *S68 S69		DNN=136-19	BL=40	788	5977	DS 6P
04043	023090	03 FILLER PIC X(75) VALUE SPACES.		DNN=136-21	BL=40	78E	5983	DS 120C
04044	023100	03 FILLER PIC X(10) COMP-3 VALUE 0535030000.		DNN=136-22	BL=40	806	6103	DS 75C
04045	023110	03 FILLER PIC X(120) VALUE 1BC5 BC13-BC15-BC16-8G11-5		DNN=136-23	BL=40	851	6178	DS 6P
04046	023120	*A1 S62 S63 S66		DNN=136-25	BL=40	857	6184	DS 120C
04047	023130	03 FILLER PIC X(75) VALUE SPACES.		DNN=136-18	BL=40	730	5902	DS 75C
04048	023140	03 FILLER PIC X(10) COMP-3 VALUE 0535031100.		DNN=136-19	BL=40	788	5977	DS 6P
04049	023150	03 FILLER PIC X(120) VALUE *S67		DNN=136-21	BL=40	78E	5983	DS 120C
04050	023160	03 FILLER PIC X(75) VALUE SPACES.		DNN=136-22	BL=40	806	6103	DS 75C
04051	023170	03 FILLER PIC X(10) COMP-3 VALUE 0535050000.		DNN=136-23	BL=40	851	6178	DS 6P
04052	023180	03 FILLER PIC X(120) VALUE 42 A3 A4 A5 A6 A		DNN=136-25	BL=40	857	6184	DS 120C
04053	023190	*A7 A8 A9 A10 A11 A12 A13 A14 A15 A16 A17 A18 A19 A20 A21 A22 A23 A24 A25 A26 A27 A28 A29 A30 A31 A32 A33 A34 A35 A36 A37 A38 A39 A40 A41 A42 A43 A44 A45 A46 A47 A48 A49 A50 A51 A52 A53 A54 A55 A56 A57 A58 A59 A60 A61 A62 A63 A64 A65 A66 A67 A68 A69 A70 A71 A72 A73 A74 A75 A76 A77 A78 A79 A80 A81 A82 A83 A84 A85 A86 A87 A88 A89 A90 A91 A92 A93 A94 A95 A96 A97 A98 A99 A100		DNN=136-26	BL=40	8CF	6304	DS 75C
04054	023200	*C3 C4 C5 C6 C7 C8		DNN=136-28	BL=40	91A	6379	DS 6P
04055	023210	03 FILLER PIC X(75) VALUE SPACES.		DNN=136-29	BL=40	920	6385	DS 120C
04056	023220	03 FILLER PIC X(10) COMP-3 VALUE 0535050200.		DNN=136-30	BL=40	998	6505	DS 75C
04057	023230	03 FILLER PIC X(120) VALUE *D3 D4 D5 D6 D7 D8		DNN=136-32	BL=40	963	6580	DS 6P
04058	023240	*D9		DNN=136-33	BL=40	9E9	6586	DS 120C
04059	023250	03 FILLER PIC X(75) VALUE SPACES.		DNN=136-35	BL=40	A61	6706	DS 75C
04060	023260	03 FILLER PIC X(10) COMP-3 VALUE 0535060000.		DNN=136-36	BL=40	AAC	6781	DS 6P
04061	023270	03 FILLER PIC X(120) VALUE *S59		DNN=136-37	BL=40	A82	6787	DS 120C
04062	023280	03 FILLER PIC X(75) VALUE SPACES.		DNN=136-39	BL=40	82A	6907	DS 75C
04063	023290	03 FILLER PIC X(10) COMP-3 VALUE 0535080000.		DNN=136-40	BL=40	875	6982	DS 6P
04064	023300	03 FILLER PIC X(120) VALUE *S53 S54 S56 S57 S58 S59 *		DNN=136-42	BL=40	878	6988	DS 120C
04065	023310	03 FILLER PIC X(75) VALUE SPACES.		DNN=136-43	BL=40	8F3	7108	DS 75C
04066	023320	03 FILLER PIC X(10) COMP-3 VALUE 0535100000.		DNN=136-44	BL=40	C3E	7183	DS 6P
04067	023330	03 FILLER PIC X(120) VALUE *NR7 L1 L2 NBD1 430		DNN=136-46	BL=40	C44	7189	DS 120C
04068	023340	*NR8		DNN=136-47	BL=40	C8C	7309	DS 75C
04069	023350	03 FILLER PIC X(75) VALUE SPACES.		DNN=136-49	BL=40	D07	7384	DS 6P
04070	023360	03 FILLER PIC X(10) COMP-3 VALUE 0535110000.						
04071	023370	03 FILLER PIC X(120) VALUE *NR5 L3 NGS1 NGS2 NGS3						
04072	023380	*NR6						
04073	023390	03 FILLER PIC X(75) VALUE SPACES.						
04074	023400	03 FILLER PIC X(10) COMP-3 VALUE 0535120000.						

INT NAME	BASE	DISP	RL01	DEFINITION
DNM=137-00	BL=40 000	7390	DS	120C
DNM=137-01	BL=40 085	7510	DS	75C
DNM=137-02	BL=40 000	7585	DS	6P
DNM=137-04	BL=40 006	7591	DS	120C
DNM=137-05	BL=40 E4E	7711	DS	75C
DNM=137-07	BL=40 E99	7786	DS	6P
DNM=137-08	BL=40 E9F	7792	DS	120C
DNM=137-09	BL=40 F17	7912	DS	75C
DNM=137-11	BL=40 F62	7987	DS	6P
DNM=137-12	BL=40 F68	7993	DS	120C
DNM=137-14	BL=40 FEO	8113	DS	75C
DNM=137-15	BL=41 028	0004	DS	6P
DNM=137-16	BL=41 031	0002	DS	120C
DNM=137-18	BL=41 0A9	0122	DS	75C
DNM=137-19	BL=41 0F4	0197	DS	6P
DNM=137-21	BL=41 0FA	0203	DS	120C
DNM=137-22	BL=41 172	0323	DS	75C
DNM=137-23	BL=41 180	0398	DS	6P
DNM=137-25	BL=41 1C3	0404	DS	120C
DNM=137-26	BL=41 238	0524	DS	75C
DNM=137-28	BL=41 286	0599	DS	6P
DNM=137-29	BL=41 28C	0605	DS	120C
DNM=137-30	BL=41 304	0725	DS	75C
DNM=137-32	BL=41 34F	0800	DS	6P
DNM=137-33	BL=41 355	0806	DS	120C
DNM=137-35	BL=41 3CD	0926	DS	75C
DNM=137-36	BL=41 418	1001	DS	6P
DNM=137-37	BL=41 41E	1007	DS	120C
DNM=137-39	BL=41 496	1127	DS	75C
DNM=137-40	BL=41 4E1	1202	DS	6P
DNM=137-42	BL=41 4E7	1208	DS	120C
DNM=137-43	BL=41 55F	1328	DS	75C
DNM=137-44	BL=41 5AA	1403	DS	6P
DNM=137-46	BL=41 580	1409	DS	120C
DNM=137-47	BL=41 623	1529	DS	75C
DNM=137-49	BL=41 673	1604	DS	6P
DNM=138-00	BL=41 679	1610	DS	120C
DNM=138-01	BL=41 6F1	1730	DS	75C
DNM=138-02	BL=41 73C	1805	DS	6P
DNM=138-04	BL=41 742	1811	DS	120C
DNM=138-05	BL=41 78A	1931	DS	75C
DNM=138-07	BL=41 805	2006	DS	6P
DNM=138-08	BL=41 808	2012	DS	120C
DNM=138-09	BL=41 883	2132	DS	75C
DNM=138-11	BL=41 8CE	2207	DS	6P
DNM=138-12	BL=41 8D4	2213	DS	120C
DNM=138-14	BL=41 94C	2333	DS	75C
DNM=138-15	BL=41 997	2408	DS	6P
DNM=138-16	BL=41 99D	2414	DS	120C
DNM=138-18	BL=41 A15	2534	DS	75C
DNM=138-19	BL=41 A60	2609	DS	6P
DNM=138-21	BL=41 A66	2615	DS	120C

84	NM100	10-43-12	APR 3, 1984	INT NAME	BASE	DISP	RL01	DEFINITION
04129	023950-	03 FILLER	PIC X(175)	VALUE SPACES.				
04130	023960-	03 FILLER	PIC X(175)	VALUE SPACES.				
04131	023970-	03 FILLER	PIC X(175)	VALUE SPACES.				
04132	023980-	03 FILLER	PIC X(175)	VALUE SPACES.				
04133	023990-	03 FILLER	PIC X(175)	VALUE SPACES.				
04134	024000-	03 FILLER	PIC X(175)	VALUE SPACES.				
04135	024010-	03 FILLER	PIC X(175)	VALUE SPACES.				
04136	024020-	03 FILLER	PIC X(175)	VALUE SPACES.				
04137	024030-	03 FILLER	PIC X(175)	VALUE SPACES.				
04138	024040-	03 FILLER	PIC X(175)	VALUE SPACES.				
04139	024050-	03 FILLER	PIC X(175)	VALUE SPACES.				
04140	024060-	03 FILLER	PIC X(175)	VALUE SPACES.				
04141	024070-	03 FILLER	PIC X(175)	VALUE SPACES.				
04142	024080-	03 FILLER	PIC X(175)	VALUE SPACES.				
04143	024090-	03 FILLER	PIC X(175)	VALUE SPACES.				
04144	024100-	03 FILLER	PIC X(175)	VALUE SPACES.				
04145	024110-	03 FILLER	PIC X(175)	VALUE SPACES.				
04146	024120-	03 FILLER	PIC X(175)	VALUE SPACES.				
04147	024130-	03 FILLER	PIC X(175)	VALUE SPACES.				
04148	024140-	03 FILLER	PIC X(175)	VALUE SPACES.				
04149	024150-	03 FILLER	PIC X(175)	VALUE SPACES.				
04150	024160-	03 FILLER	PIC X(175)	VALUE SPACES.				
04151	024170-	03 FILLER	PIC X(175)	VALUE SPACES.				
04152	024180-	03 FILLER	PIC X(175)	VALUE SPACES.				
04153	024190-	03 FILLER	PIC X(175)	VALUE SPACES.				
04154	024200-	03 FILLER	PIC X(175)	VALUE SPACES.				
04155	024210-	03 FILLER	PIC X(175)	VALUE SPACES.				
04156	024220-	03 FILLER	PIC X(175)	VALUE SPACES.				
04157	024230-	03 FILLER	PIC X(175)	VALUE SPACES.				
04158	024240-	03 FILLER	PIC X(175)	VALUE SPACES.				
04159	024250-	03 FILLER	PIC X(175)	VALUE SPACES.				
04160	024260-	03 FILLER	PIC X(175)	VALUE SPACES.				
04161	024270-	03 FILLER	PIC X(175)	VALUE SPACES.				
04162	024280-	03 FILLER	PIC X(175)	VALUE SPACES.				
04163	024290-	03 FILLER	PIC X(175)	VALUE SPACES.				
04164	024300-	03 FILLER	PIC X(175)	VALUE SPACES.				
04165	024310-	03 FILLER	PIC X(175)	VALUE SPACES.				
04166	024320-	03 FILLER	PIC X(175)	VALUE SPACES.				
04167	024330-	03 FILLER	PIC X(175)	VALUE SPACES.				
04168	024340-	03 FILLER	PIC X(175)	VALUE SPACES.				
04169	024350-	03 FILLER	PIC X(175)	VALUE SPACES.				
04170	024360-	03 FILLER	PIC X(175)	VALUE SPACES.				
04171	024370-	03 FILLER	PIC X(175)	VALUE SPACES.				
04172	024380-	03 FILLER	PIC X(175)	VALUE SPACES.				
04173	024390-	03 FILLER	PIC X(175)	VALUE SPACES.				
04174	024400-	03 FILLER	PIC X(175)	VALUE SPACES.				
04175	024410-	03 FILLER	PIC X(175)	VALUE SPACES.				
04176	024420-	03 FILLER	PIC X(175)	VALUE SPACES.				
04177	024430-	03 FILLER	PIC X(175)	VALUE SPACES.				
04178	024440-	03 FILLER	PIC X(175)	VALUE SPACES.				
04179	024450-	03 FILLER	PIC X(175)	VALUE SPACES.				
04180	024460-	03 FILLER	PIC X(175)	VALUE SPACES.				
04181	024470-	03 FILLER	PIC X(175)	VALUE SPACES.				
04182	024480-	03 FILLER	PIC X(175)	VALUE SPACES.				

85	NW100	10-43-12	APR 3, 1984	INT NAME	BASE	DISP	RL01	DEFINITION
04183	024490	03 FILLER PIC X(120)	VALUE *VC4 VC5 VC6 VC7 VC8	DNM=139-37	BL=42 6F6	5831	DS	120C
04184	024500	03 FILLER PIC X(175)	VALUE SPACES.	DNM=139-39	BL=42 76E	5951	DS	75C
04185	024510	03 FILLER PIC 9(110) COMP-3	VALUE 1401030000.	DNM=139-40	BL=42 789	6026	DS	6P
04186	024520	03 FILLER PIC X(120)	VALUE *MA4	DNM=139-42	BL=42 78E	6032	DS	120C
04187	024530	03 FILLER PIC X(175)	VALUE SPACES.	DNM=139-43	BL=42 837	6152	DS	75C
04188	024540	03 FILLER PIC 9(110) COMP-3	VALUE 1401040000.	DNM=139-44	BL=42 882	6227	DS	6P
04189	024550	03 FILLER PIC X(120)	VALUE *OTC4 OTC5 OTC6	DNM=139-46	BL=42 888	6233	DS	120C
04190	024560	03 FILLER PIC X(175)	VALUE SPACES.	DNM=139-47	BL=42 900	6353	DS	75C
04191	024570	03 FILLER PIC 9(110) COMP-3	VALUE 1402010000.	DNM=139-49	BL=42 948	6428	DS	6P
04192	024580	03 FILLER PIC X(120)	VALUE *OC4 OC5 OC6 OC7 *	DNM=140-00	BL=42 951	6434	DS	120C
04193	024590	03 FILLER PIC X(175)	VALUE SPACES.	DNM=140-01	BL=42 9C9	6554	DS	75C
04194	024600	03 FILLER PIC 9(110) COMP-3	VALUE 1402030000.	DNM=140-02	BL=42 A14	6629	DS	6P
04195	024610	03 FILLER PIC X(120)	VALUE *TS4 TS5 TS6 TS7 TS8 T	DNM=140-04	BL=42 ALA	6635	DS	120C
04196	024620	*S9 TS10						
04197	024630	03 FILLER PIC X(175)	VALUE SPACES.	DNM=140-05	BL=42 A92	6755	DS	75C
04198	024640	03 FILLER PIC 9(110) COMP-3	VALUE 1403000000.	DNM=140-07	BL=42 ADD	6830	DS	6P
04199	024650	03 FILLER PIC X(120)	VALUE *TMM7TMM8TMM9TMM20	DNM=140-08	BL=42 AE3	6836	DS	120C
04200	024660	03 FILLER PIC X(175)	VALUE SPACES.	DNM=140-09	BL=42 B58	6956	DS	75C
04201	024670	03 FILLER PIC 9(110) COMP-3	VALUE 1501000200.	DNM=140-11	BL=42 BA6	7031	DS	6P
04202	024680	03 FILLER PIC X(120)	VALUE *MS4 MS5 MS6	DNM=140-12	BL=42 BAC	7037	DS	120C
04203	024690	03 FILLER PIC X(175)	VALUE SPACES.	DNM=140-14	BL=42 C24	7157	DS	75C
04204	024700	03 FILLER PIC 9(110) COMP-3	VALUE 1501010000.	DNM=140-15	BL=42 CGF	7232	DS	6P
04205	024710	03 FILLER PIC X(120)	VALUE *MC4	DNM=140-16	BL=42 C75	7238	DS	120C
04206	024720	03 FILLER PIC X(175)	VALUE SPACES.	DNM=140-18	BL=42 CED	7358	DS	75C
04207	024730	03 FILLER PIC 9(110) COMP-3	VALUE 1501020000.	DNM=140-19	BL=42 D38	7433	DS	6P
04208	024740	03 FILLER PIC X(120)	VALUE *FC4	DNM=140-21	BL=42 D3E	7439	DS	120C
04209	024750	03 FILLER PIC X(175)	VALUE SPACES.	DNM=140-22	BL=42 DB6	7559	DS	75C
04210	024760	03 FILLER PIC 9(110) COMP-3	VALUE 1501030000.	DNM=140-23	BL=42 E01	7634	DS	6P
04211	024770	03 FILLER PIC X(120)	VALUE *PC4 PC5 PC6 PC7 PC8 P	DNM=140-25	BL=42 E07	7640	DS	120C
04212	024780	*C9 PC10						
04213	024790	03 FILLER PIC X(175)	VALUE SPACES.	DNM=140-26	BL=42 E7F	7760	DS	75C
04214	024900	03 FILLER PIC 9(110) COMP-3	VALUE 1502010000.	DNM=140-28	BL=42 ECA	7835	DS	6P
04215	024810	03 FILLER PIC X(120)	VALUE *R14 R15 R16 R17 R18	DNM=140-29	BL=42 ED0	7841	DS	120C
04216	024820							
04217	024830	03 FILLER PIC X(175)	VALUE SPACES.	DNM=140-30	BL=42 F48	7961	DS	75C
04218	024840	03 FILLER PIC 9(110) COMP-3	VALUE 1502020000.	DNM=140-32	BL=42 F93	8036	DS	6P
04219	024850	03 FILLER PIC X(120)	VALUE *FE4 FE5	DNM=140-33	BL=42 F99	8042	DS	120C
04220	024860	03 FILLER PIC X(175)	VALUE SPACES.	DNM=140-35	BL=43 011	0030	DS	75C
04221	024870	03 FILLER PIC 9(110) COMP-3	VALUE 1502030000.	DNM=140-36	BL=43 05C	0045	DS	6P
04222	024880	03 FILLER PIC X(120)	VALUE *MA4	DNM=140-37	BL=43 062	0051	DS	120C
04223	024890	03 FILLER PIC X(175)	VALUE SPACES.	DNM=140-39	BL=43 ODA	0171	DS	75C
04224	024900	03 FILLER PIC 9(110) COMP-3	VALUE 1503000000.	DNM=140-40	BL=43 125	0246	DS	6P
04225	024910	03 FILLER PIC X(120)	VALUE *TMM24TMM25TMM26TMM27TMM28	DNM=140-42	BL=43 12B	0252	DS	120C
04226	024920							
04227	024930	03 FILLER PIC X(175)	VALUE SPACES.	DNM=140-43	BL=43 1A3	0372	DS	75C
04228	024940	03 FILLER PIC 9(110) COMP-3	VALUE 1601000000.	DNM=140-44	BL=43 1EE	0477	DS	6P
04229	024950	03 FILLER PIC X(120)	VALUE *M14 M15 M16	DNM=140-46	BL=43 1FA	0453	DS	120C
04230	024960	03 FILLER PIC X(175)	VALUE SPACES.	DNM=140-47	BL=43 26C	0573	DS	75C
04231	024970	03 FILLER PIC 9(110) COMP-3	VALUE 1601020000.	DNM=140-49	BL=43 287	0648	DS	6P
04232	024980	03 FILLER PIC X(120)	VALUE *BR4 BR5	DNM=141-00	BL=43 28D	0654	DS	120C
04233	024990	03 FILLER PIC X(175)	VALUE SPACES.	DNM=141-01	BL=43 33S	0774	DS	75C
04234	025000	03 FILLER PIC 9(110) COMP-3	VALUE 1602010000.	DNM=141-02	BL=43 380	0849	DS	6P
04235	025010	03 FILLER PIC X(120)	VALUE *MM4 MM5 MM6 MM7 MM8	DNM=141-04	BL=43 386	0855	DS	120C
04236	025020							

86	NW100	10.43-12	APR 3, 1984		INT NAME	BASE	DISP	RL01	DEFINITION
04237	025030	03- FILLER	PIC X(175)	VALUE SPACES.	DNM=141-05	BL=43 3FE	0975	DS	75C
04238	025040	03- FILLER	PIC 9(10) COMP-3	VALUE 160202000.	DNM=141-07	BL=43 449	1050	DS	6P
04239	025050	03- FILLER	PIC X(120)	VALUE *W4 W85 W86 W87 W88 M	DNM=141-08	BL=43 44F	1056	DS	120C
04240	025060	03- FILLER	PIC X(120)	VALUE SPACES.	DNM=141-09	BL=43 4C7	1176	DS	75C
04241	025070	03- FILLER	PIC 9(10) COMP-3	VALUE 1603000000.	DNM=141-11	BL=43 512	1251	DS	6P
04242	025080	03- FILLER	PIC X(120)	VALUE *1MW321MW331MW341MW35	DNM=141-12	BL=43 518	1251	DS	120C
04243	025090	03- FILLER	PIC X(175)	VALUE SPACES.	DNM=141-14	BL=43 590	1377	DS	75C
04244	025100	03- FILLER	PIC 9(10) COMP-3	VALUE 1701000000.	DNM=141-15	BL=43 508	1452	DS	6P
04245	025110	03- FILLER	PIC X(120)	VALUE *MC4 MC5	DNM=141-16	BL=43 5E1	1458	DS	120C
04246	025120	03- FILLER	PIC X(175)	VALUE SPACES.	DNM=141-18	BL=43 659	1578	DS	75C
04247	025130	03- FILLER	PIC 9(10) COMP-3	VALUE 1701010000.	DNM=141-19	BL=43 644	1653	DS	6P
04248	025140	03- FILLER	PIC X(120)	VALUE *HE4 HE5	DNM=141-21	BL=43 6AA	1659	DS	120C
04249	025150	03- FILLER	PIC X(175)	VALUE SPACES.	DNM=141-22	BL=43 722	1779	DS	75C
04250	025160	03- FILLER	PIC 9(10) COMP-3	VALUE 1701020000.	DNM=141-23	BL=43 76D	1854	DS	6P
04251	025170	03- FILLER	PIC X(120)	VALUE *WC4 WC5	DNM=141-25	BL=43 773	1860	DS	120C
04252	025180	03- FILLER	PIC X(175)	VALUE SPACES.	DNM=141-26	BL=43 7ER	1980	DS	75C
04253	025190	03- FILLER	PIC 9(10) COMP-3	VALUE 1702010000.	DNM=141-28	BL=43 836	2055	DS	6P
04254	025200	03- FILLER	PIC X(120)	VALUE *MN4 MN5 MN6 MN7 MN8 M	DNM=141-29	BL=43 83C	2061	DS	120C
04255	025210	03- FILLER	PIC X(175)	VALUE SPACES.	DNM=141-30	BL=43 8B4	2181	DS	75C
04256	025220	03- FILLER	PIC 9(10) COMP-3	VALUE *1MW39	DNM=141-32	BL=43 905	2262	DS	120C
04257	025230	03- FILLER	PIC X(120)	VALUE SPACES.	DNM=141-35	BL=43 970	2382	DS	75C
04258	025240	03- FILLER	PIC X(175)	VALUE SPACES.	DNM=141-36	BL=43 9C8	2457	DS	6P
04259	025250	03- FILLER	PIC 9(10) COMP-3	VALUE 1801010000.	DNM=141-37	BL=43 9CE	2463	DS	120C
04260	025260	03- FILLER	PIC X(120)	VALUE SPACES.	DNM=141-39	BL=43 A46	2583	DS	75C
04261	025270	03- FILLER	PIC X(175)	VALUE SPACES.	DNM=141-40	BL=43 A91	2658	DS	6P
04262	025280	03- FILLER	PIC 9(10) COMP-3	VALUE *M14 M15 M16 M17 M18 M	DNM=141-42	BL=43 A97	2664	DS	120C
04263	025290	03- FILLER	PIC X(120)	VALUE SPACES.	DNM=141-43	BL=43 B0F	2784	DS	75C
04264	025300	03- FILLER	PIC X(175)	VALUE SPACES.	DNM=141-44	BL=43 B5A	2859	DS	6P
04265	025310	03- FILLER	PIC 9(10) COMP-3	VALUE 1802010000.	DNM=141-46	BL=43 B60	2865	DS	120C
04266	025320	03- FILLER	PIC X(120)	VALUE *M04 M05 M06 M07 M08 M	DNM=141-47	BL=43 B08	2985	DS	75C
04267	025330	03- FILLER	PIC X(175)	VALUE SPACES.	DNM=141-49	BL=43 C23	3060	DS	6P
04268	025340	03- FILLER	PIC 9(10) COMP-3	VALUE 1804000000.	DNM=142-00	BL=43 C29	3066	DS	120C
04269	025350	03- FILLER	PIC X(120)	VALUE *CRV4	DNM=142-01	BL=43 C41	3186	DS	75C
04270	025360	03- FILLER	PIC X(175)	VALUE SPACES.	DNM=142-02	BL=43 CEC	3261	DS	6P
04271	025370	03- FILLER	PIC 9(10) COMP-3	VALUE 1901010200.	DNM=142-04	BL=43 CF2	3267	DS	120C
04272	025380	03- FILLER	PIC X(120)	VALUE *CFR29CFR30	DNM=142-05	BL=43 D6A	3387	DS	75C
04273	025390	03- FILLER	PIC X(175)	VALUE SPACES.	DNM=142-07	BL=43 D85	3462	DS	6P
04274	025400	03- FILLER	PIC 9(10) COMP-3	VALUE 1901011100.	DNM=142-08	BL=43 D88	3468	DS	120C
04275	025410	03- FILLER	PIC X(120)	VALUE *CFR37	DNM=142-09	BL=43 E33	3588	DS	75C
04276	025420	03- FILLER	PIC X(175)	VALUE SPACES.	DNM=142-11	BL=43 E7E	3663	DS	6P
04277	025430	03- FILLER	PIC 9(10) COMP-3	VALUE 1901020400.	DNM=142-12	BL=43 E84	3669	DS	120C
04278	025440	03- FILLER	PIC X(120)	VALUE SPACES.	DNM=142-14	BL=43 EFC	3789	DS	75C
04279	025450	03- FILLER	PIC X(175)	VALUE SPACES.	DNM=142-15	BL=43 F47	3864	DS	6P
04280	025460	03- FILLER	PIC 9(10) COMP-3	VALUE *CFR62	DNM=142-18	BL=43 F4D	3870	DS	120C
04281	025470	03- FILLER	PIC X(120)	VALUE SPACES.	DNM=142-19	BL=44 010	4065	DS	6P
04282	025480	03- FILLER	PIC X(175)	VALUE 1901030100.	DNM=142-21	BL=44 016	4071	DS	120C
04283	025490	03- FILLER	PIC 9(10) COMP-3	VALUE *CFR12CFR63CFR64CFR65CFR66C	DNM=142-22	BL=44 08E	4191	DS	75C
04284	025500	03- FILLER	PIC X(120)	VALUE SPACES.					
04285	025510	03- FILLER	PIC X(175)	VALUE SPACES.					
04286	025520	03- FILLER	PIC 9(10) COMP-3	VALUE 1901030100.					
04287	025530	03- FILLER	PIC X(120)	VALUE SPACES.					
04288	025540	03- FILLER	PIC X(175)	VALUE SPACES.					
04289	025550	03- FILLER	PIC 9(10) COMP-3	VALUE 1901030100.					
04290	025560	03- FILLER	PIC X(120)	VALUE SPACES.					

87	IN100	10.43.12	APR 3, 1984	INT NAME	BASE	DISP	RL01	DEFINITION
1	04291	025570	03 FILLER	PIC 9(120) COMP-3	VALUE	1901030200.		
2	04292	025580	03 FILLER	PIC X(120)	VALUE	*CFR72CFR73CFR74CFR75CFR76C		
3	04293	025590	03 FILLER	PIC X(120)	VALUE	*FR77CFR78CFR79CFR80		
4	04294	025600	03 FILLER	PIC X(75)	VALUE	SPACES.		
5	04295	025610	03 FILLER	PIC 9(120) COMP-3	VALUE	1901040000.		
6	04296	025620	03 FILLER	PIC X(120)	VALUE	*CFR9 CFR81CFR82CFR83CFR84C		
7	04297	025630	03 FILLER	PIC X(120)	VALUE	SPACES.		
8	04298	025640	03 FILLER	PIC X(75)	VALUE	SPACES.		
9	04299	025650	03 FILLER	PIC 9(120) COMP-3	VALUE	1902020000.		
10	04300	025660	03 FILLER	PIC X(120)	VALUE	*CFR98CFR99		
11	04301	025670	03 FILLER	PIC X(75)	VALUE	SPACES.		
12	04302	025680	03 FILLER	PIC 9(120) COMP-3	VALUE	1902030100.		
13	04303	025690	03 FILLER	PIC X(120)	VALUE	SPACES.		
14	04304	025700	03 FILLER	PIC X(75)	VALUE	SPACES.		
15	04305	025710	03 FILLER	PIC 9(120) COMP-3	VALUE	1902040000.		
16	04306	025720	03 FILLER	PIC X(120)	VALUE	SPACES.		
17	04307	025730	03 FILLER	PIC X(75)	VALUE	SPACES.		
18	04308	025740	03 FILLER	PIC 9(120) COMP-3	VALUE	1902050200.		
19	04309	025750	03 FILLER	PIC X(120)	VALUE	SPACES.		
20	04310	025760	03 FILLER	PIC X(75)	VALUE	SPACES.		
21	04311	025770	03 FILLER	PIC 9(120) COMP-3	VALUE	1902060000.		
22	04312	025780	03 FILLER	PIC X(120)	VALUE	SPACES.		
23	04313	025790	03 FILLER	PIC X(75)	VALUE	SPACES.		
24	04314	025800	03 FILLER	PIC 9(120) COMP-3	VALUE	1902070000.		
25	04315	025810	03 FILLER	PIC X(120)	VALUE	SPACES.		
26	04316	025820	03 FILLER	PIC X(75)	VALUE	SPACES.		
27	04317	025830	03 FILLER	PIC 9(120) COMP-3	VALUE	1902080000.		
28	04318	025840	03 FILLER	PIC X(120)	VALUE	SPACES.		
29	04319	025850	03 FILLER	PIC X(75)	VALUE	SPACES.		
30	04320	025860	03 FILLER	PIC 9(120) COMP-3	VALUE	1902090000.		
31	04321	025870	03 FILLER	PIC X(120)	VALUE	SPACES.		
32	04322	025880	03 FILLER	PIC X(75)	VALUE	SPACES.		
33	04323	025890	03 FILLER	PIC 9(120) COMP-3	VALUE	1902100000.		
34	04324	025900	03 FILLER	PIC X(120)	VALUE	SPACES.		
35	04325	025910	03 FILLER	PIC X(75)	VALUE	SPACES.		
36	04326	025920	03 FILLER	PIC 9(120) COMP-3	VALUE	1902110000.		
37	04327	025930	03 FILLER	PIC X(120)	VALUE	SPACES.		
38	04328	025940	03 FILLER	PIC X(75)	VALUE	SPACES.		
39	04329	025950	03 FILLER	PIC 9(120) COMP-3	VALUE	1902120000.		
40	04330	025960	03 FILLER	PIC X(120)	VALUE	SPACES.		
41	04331	025970	03 FILLER	PIC X(75)	VALUE	SPACES.		
42	04332	025980	03 FILLER	PIC 9(120) COMP-3	VALUE	1902130000.		
43	04333	025990	03 FILLER	PIC X(120)	VALUE	SPACES.		
44	04334	026000	03 FILLER	PIC X(75)	VALUE	SPACES.		
45	04335	026010	03 FILLER	PIC 9(120) COMP-3	VALUE	1902140000.		
46	04336	026020	03 FILLER	PIC X(120)	VALUE	SPACES.		
47	04337	026030	03 FILLER	PIC X(75)	VALUE	SPACES.		
48	04338	026040	03 FILLER	PIC 9(120) COMP-3	VALUE	1902150000.		
49	04339	026050	03 FILLER	PIC X(120)	VALUE	SPACES.		
50	04340	026060	03 FILLER	PIC X(75)	VALUE	SPACES.		
51	04341	026070	03 FILLER	PIC 9(120) COMP-3	VALUE	1902160000.		
52	04342	026080	03 FILLER	PIC X(120)	VALUE	SPACES.		
53	04343	026090	03 FILLER	PIC X(75)	VALUE	SPACES.		
54	04344	026100	03 FILLER	PIC 9(120) COMP-3	VALUE	1902170000.		

88	MM100	10.43.12	APR 3.1984	INT NAME	BASE	DISP	RL01	DEFINITION
04345	026110	03 FILLER PIC X(120)	VALUE 'T04 T05 T06	DNM=143-29	BL=44	814	6885	DS 120C
04346	026120	03 FILLER PIC X(175)	VALUE SPACES.	DNM=143-30	BL=44	88C	7005	DS 75C
04347	026130	03 FILLER PIC X(110) COMP-3	VALUE 2201010000.	DNM=143-32	BL=44	807	7080	DS 6P
04348	026140	03 FILLER PIC X(120)	VALUE 'EC4 EE5	DNM=143-33	BL=44	800	7086	DS 120C
04349	026150	03 FILLER PIC X(175)	VALUE SPACES.	DNM=143-35	BL=44	C55	7206	DS 75C
04350	026160	03 FILLER PIC X(110) COMP-3	VALUE 2202060000.	DNM=143-36	BL=44	CA0	7281	DS 6P
04351	026170	03 FILLER PIC X(120)	VALUE 'S917	DNM=143-37	BL=44	CA6	7287	DS 120C
04352	026180	03 FILLER PIC X(175)	VALUE SPACES.	DNM=143-39	BL=44	D1E	7407	DS 75C
04353	026190	03 FILLER PIC X(110) COMP-3	VALUE 2203010000.	DNM=143-40	BL=44	D69	7482	DS 6P
04354	026209	03 FILLER PIC X(120)	VALUE 'CR4 CR5	DNM=143-42	BL=44	D6F	7488	DS 120C
04355	026210	03 FILLER PIC X(175)	VALUE SPACES.	DNM=143-43	BL=44	D67	7608	DS 75C
04356	026220	03 FILLER PIC X(110) COMP-3	VALUE 2205000000.	DNM=143-44	BL=44	E32	7683	DS 6P
04357	026230	03 FILLER PIC X(120)	VALUE '1W651W661W671W681W691	DNM=143-46	BL=44	E38	7689	DS 120C
04358	026240	03 FILLER PIC X(175)	VALUE SPACES.	DNM=143-47	BL=44	E80	7809	DS 75C
04359	026250	03 FILLER PIC X(110) COMP-3	VALUE 9999999999.	DNM=143-49	BL=44	EF8	7884	DS 6P
04360	026260	03 FILLER PIC X(120)	VALUE SPACES.	DNM=144-00	BL=44	F01	7890	DS 120C
04361	026270	03 FILLER PIC X(175)	VALUE SPACES.	DNM=144-01	BL=44	F79	8010	DS 75C
04362	026280	03 FILLER PIC X(120)	VALUE SPACES.					
04363	026290	03 FILLER PIC X(175)	VALUE SPACES.					
04364	026300	03 FILLER PIC X(120)	VALUE SPACES.					
04365	026310	03 FILLER PIC X(175)	VALUE SPACES.					
04366	026320	03 FILLER PIC X(120)	VALUE SPACES.					
04367	026330	03 FILLER PIC X(175)	VALUE SPACES.					
04368	026340	03 FILLER PIC X(110) COMP-3	VALUE 9999999999.					
04369	026350	03 FILLER PIC X(120)	VALUE SPACES.					
04370	026360	03 FILLER PIC X(175)	VALUE SPACES.					
04371	026370	03 FILLER PIC X(120)	VALUE SPACES.					
04372	026380	03 FILLER PIC X(175)	VALUE SPACES.					
04373	026390	03 FILLER PIC X(120)	VALUE SPACES.					
04374	026400	03 FILLER PIC X(175)	VALUE SPACES.					

89	NW100	10-43-12	APR 3, 1984	INT NAME	BASE	DISP	RL01	DEFINITION
04376	026420*	STATION-TABLE-3.		DNN=144-18	BL=44	FC8	0001	DS 0CL7776
04377	026430*	03 FILLER PIC X(120)	COMP-3 VALUE 0200000000.	DNN=144-21	BL=44	FC8	0001	DS 6P
04378	026440 01	03 FILLER PIC X(120)	VALUE	DNN=144-23	BL=44	FCE	0007	DS 120C
04379	026450	03 FILLER PIC X(120)	VALUE					
04380	026460	03 FILLER PIC X(120)	VALUE					
04381	026470	03 FILLER PIC X(120)	VALUE					
04382	026480	03 FILLER PIC X(120)	VALUE					
04383	026490	03 FILLER PIC X(120)	VALUE SPACES.	DNN=144-24	BL=45	046	0127	DS 120C
04384	026500	03 FILLER PIC X(120)	VALUE SPACES.	DNN=144-26	BL=45	08E	0247	DS 120C
04385	026510	03 FILLER PIC X(120)	VALUE SPACES.	DNN=144-27	BL=45	136	0367	DS 120C
04386	026520	03 FILLER PIC X(120)	VALUE SPACES.					
04387	026530*	03 FILLER PIC X(120)	VALUE 0202000000.	DNN=144-28	BL=45	1AE	0487	DS 6P
04388	026540	03 FILLER PIC X(120)	VALUE	DNN=144-30	BL=45	184	0493	DS 120C
04389	026550	03 FILLER PIC X(120)	VALUE					
04390	026560	03 FILLER PIC X(120)	VALUE					
04391	026570	03 FILLER PIC X(120)	VALUE					
04392	026580	03 FILLER PIC X(120)	VALUE SPACES.	DNN=144-31	BL=45	22C	0613	DS 120C
04393	026590	03 FILLER PIC X(120)	VALUE SPACES.	DNN=144-33	BL=45	2A4	0733	DS 120C
04394	026600	03 FILLER PIC X(120)	VALUE SPACES.	DNN=144-34	BL=45	31C	0853	DS 120C
04395	026610	03 FILLER PIC X(120)	VALUE SPACES.					
04396	026620*	03 FILLER PIC X(120)	VALUE 0205000000.	DNN=144-35	BL=45	394	0973	DS 6P
04397	026630	03 FILLER PIC X(120)	VALUE	DNN=144-37	BL=45	39A	0979	DS 120C
04398	026640	03 FILLER PIC X(120)	VALUE					
04399	026650	03 FILLER PIC X(120)	VALUE					
04400	026660	03 FILLER PIC X(120)	VALUE					
04401	026670	03 FILLER PIC X(120)	VALUE SPACES.	DNN=144-38	BL=45	412	1099	DS 120C
04402	026680	03 FILLER PIC X(120)	VALUE SPACES.	DNN=144-40	BL=45	48A	1219	DS 120C
04403	026690	03 FILLER PIC X(120)	VALUE SPACES.	DNN=144-41	BL=45	502	1339	DS 120C
04404	026700	03 FILLER PIC X(120)	VALUE SPACES.					
04405	026710*	03 FILLER PIC X(120)	VALUE 0534100000.	DNN=144-42	BL=45	57A	1459	DS 6P
04406	026720	03 FILLER PIC X(120)	VALUE	DNN=144-44	BL=45	580	1465	DS 120C
04407	026730	03 FILLER PIC X(120)	VALUE					
04408	026740	03 FILLER PIC X(120)	VALUE					
04409	026750	03 FILLER PIC X(120)	VALUE					
04410	026760	03 FILLER PIC X(120)	VALUE	DNN=144-45	BL=45	5F8	1585	DS 120C
04411	026770	03 FILLER PIC X(120)	VALUE					
04412	026780	03 FILLER PIC X(120)	VALUE					
04413	026790	03 FILLER PIC X(120)	VALUE					
04414	026800	03 FILLER PIC X(120)	VALUE					
04415	026810	03 FILLER PIC X(120)	VALUE	DNN=144-47	BL=45	670	1705	DS 120C
04416	026820	03 FILLER PIC X(120)	VALUE					
04417	026830	03 FILLER PIC X(120)	VALUE					
04418	026840	03 FILLER PIC X(120)	VALUE					
04419	026850	03 FILLER PIC X(120)	VALUE	DNN=144-48	BL=45	6E8	1825	DS 120C
04420	026860	03 FILLER PIC X(120)	VALUE					
04421	026870	03 FILLER PIC X(120)	VALUE					
04422	026880	03 FILLER PIC X(120)	VALUE					
04423	026890*	03 FILLER PIC X(120)	VALUE					
04424	026900	03 FILLER PIC X(120)	VALUE	DNN=145-00	BL=45	760	1945	DS 6P
04425	026910	03 FILLER PIC X(120)	VALUE	DNN=145-01	BL=45	766	1951	DS 120C
04426	026920	03 FILLER PIC X(120)	VALUE					
04427	026930	03 FILLER PIC X(120)	VALUE					
04428	026940	03 FILLER PIC X(120)	VALUE					
04429	026950	03 FILLER PIC X(120)	VALUE	DNN=145-02	BL=45	7DE	2071	DS 120C

90	MM100	10.43.12	APR 3.1984	INT NAME	BASE	DISP	RL01	DEFINITION
04430	026960	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-04	BL=45 856	2191	DS 120C	
04431	026970	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-05	BL=45 8CE	2311	DS 120C	
04432	026980*	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-07	BL=45 946	2431	DS 6P	
04433	026990	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-08	BL=45 94C	2437	DS 120C	
04434	027000	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-09	BL=45 9C4	2557	DS 120C	
04435	027010	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-11	BL=45 A3C	2677	DS 120C	
04436	027020	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-12	BL=45 A84	2797	DS 120C	
04437	027030	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-14	BL=45 B2C	2917	DS 6P	
04438	027040	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-15	BL=45 B32	2923	DS 120C	
04439	027050	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-16	BL=45 BAA	3043	DS 120C	
04440	027060	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-18	BL=45 C22	3163	DS 120C	
04441	027070*	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-19	BL=45 C9A	3283	DS 120C	
04442	027080	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-21	BL=45 D12	3403	DS 6P	
04443	027090	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-22	BL=45 D18	3409	DS 120C	
04444	027100	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-23	BL=45 D90	3529	DS 120C	
04445	027110	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-25	BL=45 E08	3649	DS 120C	
04446	027120	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-26	BL=45 E80	3769	DS 120C	
04447	027130	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-28	BL=45 EF8	3889	DS 6P	
04448	027140	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-29	BL=45 EFE	3895	DS 120C	
04449	027150	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-30	BL=45 F76	4015	DS 120C	
04450	027160*	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-32	BL=45 FEE	4135	DS 120C	
04451	027170	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-33	BL=46 066	3937	DS 120C	
04452	027180	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-35	BL=46 00E	3817	DS 6P	
04453	027190	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-36	BL=46 0E4	3811	DS 120C	
04454	027200	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-37	BL=46 15C	3691	DS 120C	
04455	027210	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-39	BL=46 104	3571	DS 120C	
04456	027220	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-40	BL=46 24C	3451	DS 120C	
04457	027230	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-42	BL=46 2C4	3331	DS 6P	
04458	027240	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-43	BL=46 2CA	3325	DS 120C	
04459	027250*	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-44	BL=46 342	3205	DS 120C	
04460	027260	03 FILLER PIC X(120)	VALUE SPACES.					
04461	027270	03 FILLER PIC X(120)	VALUE SPACES.					
04462	027280	03 FILLER PIC X(120)	VALUE SPACES.					
04463	027290	03 FILLER PIC X(120)	VALUE SPACES.					
04464	027300	03 FILLER PIC X(120)	VALUE SPACES.					
04465	027310	03 FILLER PIC X(120)	VALUE SPACES.					
04466	027320	03 FILLER PIC X(120)	VALUE SPACES.					
04467	027330	03 FILLER PIC X(120)	VALUE SPACES.					
04468	027340*	03 FILLER PIC X(120)	VALUE SPACES.					
04469	027350	03 FILLER PIC X(120)	VALUE SPACES.					
04470	027360	03 FILLER PIC X(120)	VALUE SPACES.					
04471	027370	03 FILLER PIC X(120)	VALUE SPACES.					
04472	027380	03 FILLER PIC X(120)	VALUE SPACES.					
04473	027390	03 FILLER PIC X(120)	VALUE SPACES.					
04474	027400	03 FILLER PIC X(120)	VALUE SPACES.					
04475	027410	03 FILLER PIC X(120)	VALUE SPACES.					
04476	027420	03 FILLER PIC X(120)	VALUE SPACES.					
04477	027430*	03 FILLER PIC X(120)	VALUE SPACES.					
04478	027440	03 FILLER PIC X(120)	VALUE SPACES.					
04479	027450	03 FILLER PIC X(120)	VALUE SPACES.					
04480	027460	03 FILLER PIC X(120)	VALUE SPACES.					
04481	027470	03 FILLER PIC X(120)	VALUE SPACES.					
04482	027480	03 FILLER PIC X(120)	VALUE SPACES.					
04483	027490	03 FILLER PIC X(120)	VALUE SPACES.					

INT NAME BASE DISP RLO1 DEFINITION

APR 3, 1984

10.43.12

NR100

91

04484	027500	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-46	8L=46 38A	3085	DS 120C
04485	027510	03 FILLER PIC X(120)	VALUE SPACES.	DNM=145-47	8L=46 432	2965	DS 120C
04486	027520 *						
04487	027530	03 FILLER PIC 9(10)-COMP-3	VALUE 9999999999.	DNM=145-49	8L=46 4AA	2845	DS 6P
04488	027540	03 FILLER PIC X(120)	VALUE	DNM=146-00	8L=46 480	2839	DS 120C
04489	027550						
04490	027560						
04491	027570						
04492	027580	03 FILLER PIC X(120)	VALUE SPACES.	DNM=146-01	8L=46 528	2719	DS 120C
04493	027590	03 FILLER PIC X(120)	VALUE SPACES.	DNM=146-02	8L=46 5A0	2599	DS 120C
04494	027600	03 FILLER PIC X(120)	VALUE SPACES.	DNM=146-04	8L=46 618	2479	DS 120C
04495	027610 *						
04496	027620	03 FILLER PIC 9(10)-COMP-3	VALUE 9999999999.	DNM=146-05	8L=46 690	2359	DS 6P
04497	027630	03 FILLER PIC X(120)	VALUE	DNM=146-07	8L=46 696	2353	DS 120C
04498	027640						
04499	027650						
04500	027660						
04501	027670	03 FILLER PIC X(120)	VALUE SPACES.	DNM=146-08	8L=46 70E	2233	DS 120C
04502	027680	03 FILLER PIC X(120)	VALUE SPACES.	DNM=146-09	8L=46 786	2113	DS 120C
04503	027690	03 FILLER PIC X(120)	VALUE SPACES.	DNM=146-11	8L=46 7FE	1993	DS 120C
04504	027700 *						
04505	027710	03 FILLER PIC 9(10)-COMP-3	VALUE 9999999999.	DNM=146-12	8L=46 876	1873	DS 6P
04506	027720	03 FILLER PIC X(120)	VALUE	DNM=146-14	8L=46 87C	1867	DS 120C
04507	027730						
04508	027740						
04509	027750						
04510	027760	03 FILLER PIC X(120)	VALUE SPACES.	DNM=146-15	8L=46 8F4	1747	DS 120C
04511	027770	03 FILLER PIC X(120)	VALUE SPACES.	DNM=146-16	8L=46 96C	1627	DS 120C
04512	027780	03 FILLER PIC X(120)	VALUE SPACES.	DNM=146-18	8L=46 9E4	1507	DS 120C
04513	027790 *						
04514	027800	03 FILLER PIC 9(10)-COMP-3	VALUE 9999999999.	DNM=146-19	8L=46 A5C	1387	DS 6P
04515	027810	03 FILLER PIC X(120)	VALUE	DNM=146-21	8L=46 A62	1381	DS 120C
04516	027820						
04517	027830						
04518	027840						
04519	027850	03 FILLER PIC X(120)	VALUE SPACES.	DNM=146-22	8L=46 ADA	1261	DS 120C
04520	027860	03 FILLER PIC X(120)	VALUE SPACES.	DNM=146-23	8L=46 B52	1141	DS 120C
04521	027870	03 FILLER PIC X(120)	VALUE SPACES.	DNM=146-25	8L=46 BCA	1021	DS 120C
04522	027880 *						
04523	027890	03 FILLER PIC 9(10)-COMP-3	VALUE 9999999999.	DNM=146-26	8L=46 C42	0901	DS 6P
04524	027900	03 FILLER PIC X(120)	VALUE	DNM=146-28	8L=46 C48	0895	DS 120C
04525	027910						
04526	027920						
04527	027930						
04528	027940	03 FILLER PIC X(120)	VALUE SPACES.	DNM=146-29	8L=46 CCO	0775	DS 120C
04529	027950	03 FILLER PIC X(120)	VALUE SPACES.	DNM=146-30	8L=46 D38	0855	DS 120C
04530	027960	03 FILLER PIC X(120)	VALUE SPACES.	DNM=146-32	8L=46 DB0	0535	DS 120C
04531	027970 *						
04532	027980 *						
04533	027990 *						
04534	028000 *						
04535	028010 *						
04536	028020 *						
04537	028030 *						

TABLE NOW CONTAINS 005 ENTRIES 03/25/83
+ 011 ALL-9 ENTRIES

92 NM100 10-43.12 APR 3,1984

INT NAME BASE DISP RL01 DEFINITION

04538 028040-01 STATION-TABLE-3-R-REDEFINES STATION-TABLE-3.

04539 028050 03 LOC-WITH-43-138-STATIONS OCCURS 16 TIMES

04540 028060 ASCENDING KEY LOCATION-3

04541 028070 INDEXED BY LOC-3-IX.

04542 028080 05 LOCATION-3

04543 028090 05 STATION-3 OCCURS 96 TIMES INDEXED BY STA-3-IX

04544 028100 PIC X(5).

04545 028110 *-----*

04546 028120

04547 028130

04548 028140

04549 028150

04550 028160

04551 028170

04552 028180

04553 028190

04554 028200

04555 028210

04556 028220

04557 028230

04558 028240

04559 028250

04560 028260

04561 028270

04562 028280

04563 028290

04564 028300

04565 028310

04566 028320

04567 028330

04568 028340

04569 028350

04570 028360

04571 028370

04572 028380

04573 028390

04574 028400

04575 028410

04576 028420

04577 028430

04578 028440

04579 028450

04580 028460

04581 028470

04582 028480

04583 028490

04584 028500

04585 028510

04586 028520

04587 028530

04588 028540

04589 028550

04590 028560

04591 028570

04592 028580

04593 028590

04594 028600

04595 028610

04596 028620

04597 028630

04598 028640

04599 028650

04600 028660

93	NH100	10.43.12	APR 3.1984	HEX ADDRESS OF VER85
04567	009920	PROCEDURE DIVISION.		09680000
04568	009930	000-CONTROL-SECTION.		09690000
04569	009940	MOVE 'SORTMSG' TO SORT-MESSAGE.		027970
04570	009950	SORT SORT-FILE ASCENDING-KEY SORT-KEY		02797A
04571	009960	SORT-TYPE		
04572	009970	SORT-ACTION		
04573	009980	INPUT PROCEDURE 005-PRE-SORT-PROCESSING		09730000
04574	009990	OUTPUT PROCEDURE 024-POST-SORT-PROCESSING.		09740000
04575	010000	GOBACK.		09750000
04576	010010			027A32
04577	010020	001-CONTROL-SECTION-EXIT.		
04578	010030	EXIT.		09770000
04579	010040			09780000
04580	010050	005-PRE-PROCESSING SECTION.		027A60
04581	010060	OPEN INPUT ENVIR-PRELOAD-FILE.		
04582	010070	OPEN INPUT ENVIR-ERROR-RPT.		09800000
04583	010080	MOVE TURN-OFF TO DETAIL-LINE-WRITTEN-SW.		09810000
04584	010090	MOVE CURRENT-DATE TO R2-RUN-DATE.		027A60
04585	010100	PERFORM 212-WRITE-RPT2-ERR-HEADING.		027A9A
04586	010110	SET EPL-IX TO 1.		027AD4
04587	010120	PERFORM 008-READ-N-LOAD-ENVIR-PRELOAD		027ADA
04588	010130	UNTIL END-OF-ENVIR-PRELOAD.		027AEA
04589	010140	PERFORM 009-INIT-REST-ENVIR-PRELOAD		027B0A
04590	010150	VARYING EPL-IX FROM EPL-IX BY 1		027B10
04591	010160	UNTIL EPL-IX GREATER THAN NBR-OCCURS-ENVIR-PRELOAD.		
04592	010170	CLOSE ENVIR-PRELOAD-FILE.		027B42
04593	010180	OPEN INPUT TRANS-FILE.		
04594	010190	PERFORM 012-READ-TRANS-UNTIL END-OF-TRANS.		027B90
04595	010200			027C14
04596	010210	006-READ SECTION.		027C4E
04597	010220			
04598	010230	008-READ-N-LOAD-ENVIR-PRELOAD.		
04599	010240	READ ENVIR-PRELOAD-FILE INTO WK-ENVIR-PRELOAD-REC		027C78
04600	010250	AT END MOVE HIGH-VALUES TO WK-ENVIR-PRELOAD-KEY.		027CA8
04601	010260	IF END-OF-ENVIR-PRELOAD		027CB2
04602	010270	NEXT SENTENCE		
04603	010280	ELSE		
04604	010290	IF WK-ENVIR-PRELOAD-KEY GREATER THAN SEARCH-PRELOAD-KEY		027CCC
04605	010300	MOVE WK-ENVIR-PRELOAD-KEY TO SEARCH-PRELOAD-KEY		027CD4
04606	010310	MOVE WK-ENVIR-PRELOAD-REC TO		027C0C
04607	010320	TAB-ENVIR-PRELOAD-ENTRY (EPL-IX)		
04608	010330	SET EPL-IX UP BY 1		027CF2
04609	010340	ELSE		
04610	010350	DISPLAY 'SEQUENCE ERROR OR DUPLICATE ENTRY		027004
04611	010360	'IN PRELOAD FILE.		
04612	010370	'PREVIOUS ENTRY WAS ' SEARCH-PRELOAD-KEY		
04613	010380	'CURRENT ENTRY IS ' WK-ENVIR-PRELOAD-KEY		
04614	010390	ADD 1 TO CAUSE-AREND.		02704A
04615	010400			
04616	010410	009-INIT-REST-ENVIR-PRELOAD.		
04617	010420	MOVE HIGH-VALUES TO TAB-ENVIR-PRELOAD-KEY (EPL-IX).		027066
04618	010430			
04619	010440	012-READ-TRANS.		
04620	010450	READ TRANS-FILE INTO NH100REC		027086

94	NM100	10.43.12	APR 3.1984	HEX ADDRESS OF VERBS
04601	010460	AT END		10220000
04602	010470	MOVE HIGH-VALUES TO NM100REC.		027082
04603	010480	IF ENVIR-RECORD		02708C
04604	010490	PERFORM 017-ENVIR-PRE-EDIT		0270C8
04605	010500	ELSE		10260000
04606	010510	IF REPLIC-RECORD		0270E8
04607	010520	PERFORM 019-REPLIC-PRE-EDIT		0270F0
04608	010530	ELSE		10290000
04609	010540	IF SPECIES-RECORD		027E10
04610	010550	PERFORM 020-SPECIES-PRE-EDIT		027E18
04611	010560	ELSE		10300000
04612	010570	IF INDIV-RECORD		027E38
04613	010580	PERFORM 021-INDIV-PRE-EDIT		027E40
04614	010590	ELSE		10330000
04615	010600	IF ANNULUS-RECORD		027E60
04616	010610	PERFORM 022-ANNULUS-PRE-EDIT		027E68
04617	010620	ELSE		10370000
04618	010630	IF TAG-RECAPTURE-RECORD		027E8C
04619	010640	PERFORM 023-RECAPTURE-PRE-EDIT.		027E94
04620	010650	IF NOT END-OF-TRANS		027E80
04621	010660	IF SEQUENCE-NUMBER OF NM100REC NOT EQUAL SPACES		027EBC
04622	010670	PERFORM 013-PRE-EDIT-KEY		027ECE
04623	010680	IF DUP-INDIV-RECORD6		027EE6
04624	010690	MOVE TR-DATA TO DUP-RECORD-DESC		027EF2
04625	010700	MOVE LINE-NUMBER OF NM100REC TO		027EF8
04626	010710	LINE-NUMBER-CNTR		10470000
04627	010720	MOVE '4' TO RECORD-TYPE OF NM100REC		027F02
04628	010730	MOVE SPACES TO INDIV-DETAILS OF NM100REC		027F06
04629	010740	PERFORM 014-RELEASE-DUP-INDIV-REC6		027F10
04630	010750	VARYING WK-SUB FROM 1 BY 1		10500000
04631	010760	UNTIL WK-SUB GREATER THAN 14		10510000
04632	010770	OR DUP-INDIV-CNT6 (WK-SUB) = SPACES		10520000
04633	010780	ELSE		10530000
04634	010790	IF DUP-INDIV-RECORD7		10540000
04635	010800	MOVE TR-DATA TO DUP-RECORD-DESC		027F84
04636	010810	MOVE LINE-NUMBER OF NM100REC TO		027F8C
04637	010820	LINE-NUMBER-CNTR		027F92
04638	010830	MOVE '4' TO RECORD-TYPE OF NM100REC		10580000
04639	010840	MOVE SPACES TO INDIV-DETAILS OF NM100REC		027F9C
04640	010850	PERFORM 015-RELEASE-DUP-INDIV-REC7		027FA0
04641	010860	VARYING WK-SUB FROM 1 BY 1		10600000
04642	010870	UNTIL WK-SUB GREATER THAN 11		10610000
04643	010880	OR DUP-INDIV-CNT7 (WK-SUB) = SPACES		10620000
04644	010890	ELSE		10630000
04645	010900	MOVE NM100REC TO SORT-REC		10640000
04646	010910	RELEASE-SORT-REC.		10650000
04647	010920	013-PRE-EDIT-KEY.		02801E
04648	010930	EXAMINE-SEQUENCE-NUMBER OF NM100REC		028020
04649	010940	REPLACING ALL SPACES BY ZEROS.		10660000
04650	010950	IF NOT ENVIR-RECORD		10670000
04651	010960	EXAMINE-REPLICATE-NUMBER OF NM100REC		10680000
04652	010970	REPLACING ALL SPACES BY ZEROS.		10690000
04653	010980			10700000
04654	010990			10710000
				10720000
				10730000
				10740000
				10750000

95	NW100	10.43.12	APR 3, 1984	HEX ADDRESS OF VERBS
1	04655	011000	014-RELEASE-DUP-INDIV-REC6.	10760000
2	04656	011010	MOVE LINE-NUMBER-CNTR TO LINE-NUMBER OF NM100REC.	02808E
3	04657	011020	MOVE DUP-INDIV-CNT6 (WK-SUB) TO INDIV-CNT OF NM100REC.	028094
4	04658	011030	MOVE DUP-INDIV-LTH6 (WK-SUB) TO INDIV-LTH OF NM100REC.	028094
5	04659	011040	PERFORM 021-INDIV-PRE-EDIT.	0280D4
6	04660	011050	*****	
7	04661	011060	THE DUP REC ASSIGNS THE FIRST LINE-NUMBER	
8	04662	011070	ALL SUBSEQUENT LINE NUMBERS ARE INCREMENTED BY 1	
9	04663	011080	*****	
10	04664	011090	ADD 1 TO LINE-NUMBER-CNTR.	0280EC
11	04665	011100	MOVE NM100REC TO SORT-REC.	028102
12	04666	011110	RELEASE SORT-REC.	02810C
13	04667	011120	*****	
14	04668	011130	015-RELEASE-DUP-INDIV-REC7.	
15	04669	011140	MOVE LINE-NUMBER-CNTR TO LINE-NUMBER OF NM100REC.	028124
16	04670	011150	MOVE DUP-INDIV-CNT7 (WK-SUB) TO INDIV-CNT OF NM100REC.	02812A
17	04671	011160	MOVE DUP-INDIV-LTH7 (WK-SUB) TO INDIV-LTH OF NM100REC.	02814A
18	04672	011170	MOVE DUP-INDIV-SEX7 (WK-SUB) TO INDIV-SEX OF NM100REC.	02816A
19	04673	011180	MOVE DUP-INDIV-MAT7 (WK-SUB) TO INDIV-MATURE OF NM100REC.	02818A
20	04674	011190	PERFORM 021-INDIV-PRE-EDIT.	0281AA
21	04675	011200	*****	
22	04676	011210	THE DUP REC ASSIGNS THE FIRST LINE-NUMBER	
23	04677	011220	ALL SUBSEQUENT LINE NUMBERS ARE INCREMENTED BY 1	
24	04678	011230	*****	
25	04679	011240	ADD 1 TO LINE-NUMBER-CNTR.	0281C2
26	04680	011250	MOVE NM100REC TO SORT-REC.	0281D8
27	04681	011260	RELEASE SORT-REC.	0281E2
28	04682	011270	*****	
29	04683	011280	017-ENVIR-PRE-EDIT.	
30	04684	011290	MOVE PROGRAM-TYPE OF NM100REC TO SEARCH-ENVIR-PROGRAM-TYPE.	0281FA
31	04685	011300	MOVE ENVIR-STAT-NUMBER OF NM100REC TO SEARCH-ENVIR-STAT-NUM.	028200
32	04686	011310	MOVE ENVIR-START-LOC OF NM100REC TO SEARCH-ENVIR-START-LOC.	028206
33	04687	011320	SEARCH ALL TAB-ENVIR-PRELOAD-ENTRY	02820C
34	04688	011330	WHEN TAB-ENVIR-PRELOAD-KEY (EPL-IX) = SEARCH-PRELOAD-KEY	
35	04689	011340	PERFORM 018-PRELOAD-ENVIR-DATA.	02825A
36	04690	011350	ADDED 4/83 PER EPPERLY BY LRL	
37	04691	011360	IF-ENVIR-GEAR-TYPE OF NM100REC NOT-NUMERIC	02827E
38	04692	011370	MOVE TURN-ON TO EDIT-ERROR-SW	02828C
39	04693	011380	MOVE ENVIR-GEAR-TYPE OF NM100REC TO INV-GEAR-CODE	028292
40	04694	011390	MOVE NON-NUMERIC-GEAR TO RPT2-EPR-MSG	028298
41	04695	011400	MOVE CORR TR-CONTROL TO MSTR-CONTROL	02829E
42	04696	011410	MOVE RECORD-TYPE OF NM100REC TO RECORD-TYPE OF NM100REC	0282C2
43	04697	011420	PERFORM 133-MOVE-DATA-BY-TYPE	0282C8
44	04698	011430	PERFORM 179-BUILD-MASTER-ERROR	
45	04699	011440	MOVE TURN-OFF TO DETAIL-LINE-WRITTEN-SW	0282E4
46	04700	011450	MOVE SPACES TO NM100REC	028304
47	04701	011460	MOVE ZEROS TO ENVIR-GEAR-TYPE OF NM100REC.	028314
48	04702	011470	*****	
49	04703	011480	018-PRELOAD-ENVIR-DATA.	
50	04704	011490	MOVE TAB-ENVIR-PRELOAD-ENTRY (EPL-IX) TO	028328
51	04705	011500	IF-ENVIR-DURATION-OR-AREA OF NM100REC = SPACES	02833E
52	04706	011510	MOVE WK-E-DURATION TO ENVIR-DURATION-OR-AREA OF NM100REC.	028350
53	04707	011520	IF ENVIR-GEAR-TYPE OF NM100REC = SPACES	028356
54	04708	011530	*****	

HEX ADDRESS OF VER85

96 NM100 10.43.12 APR 3,1984

04709	011540	MOVE WK-E-GEAR-TYPE TO ENVIR-GEAR-TYPE OF NM100REC.	11300000	028368
04710	011550	IF ENVIR-GEAR-PARM1 OF NM100REC = SPACES	11310000	02836E
04711	011560	MOVE WK-E-GEAR-PARM1 TO ENVIR-GEAR-PARM1 OF NM100REC.	11320000	028380
04712	011570	IF ENVIR-GEAR-PARM2 OF NM100REC = SPACES	11330000	028386
04713	011580	MOVE WK-E-GEAR-PARM2 TO ENVIR-GEAR-PARM2 OF NM100REC.	11340000	028398
04714	011590	IF ENVIR-GEAR-PARM3 OF NM100REC = SPACES	11350000	02839E
04715	011600	MOVE WK-E-GEAR-PARM3 TO ENVIR-GEAR-PARM3 OF NM100REC.	11360000	028380
04716	011610	IF ENVIR-RIG OF NM100REC = SPACES	11370000	028386
04717	011620	MOVE WK-E-RIG TO ENVIR-RIG OF NM100REC.	11380000	02838E
04718	011630	IF ENVIR-TYPE-OF-TOW OF NM100REC = SPACES	11390000	0283C4
04719	011640	MOVE WK-E-TYPE-OF-TOW TO ENVIR-TYPE-OF-TOW OF NM100REC.	11400000	0283CC
04720	011650	IF ENVIR-BOTTOM-TYPE OF NM100REC = SPACES	11410000	0283D2
04721	011660	MOVE WK-E-BOTTOM-TYPE TO ENVIR-BOTTOM-TYPE OF NM100REC.	11420000	0283E4
04722	011670	IF ENVIR-BOTTOM-PROFILE OF NM100REC = SPACES	11430000	0283EA
04723	011680	MOVE WK-E-BOTTOM-PROF TO ENVIR-BOTTOM-PROFILE OF NM100REC.	11440000	0283F2
04724	011690	IF ENVIR-DEPTH OF NM100REC = SPACES	11450000	0283F8
04725	011700	MOVE WK-E-DEPTH TO ENVIR-DEPTH OF NM100REC.	11460000	02840A
04726	011710	IF ENVIR-STATE-ALTER OF NM100REC = SPACES	11470000	028410
04727	011720	MOVE WK-E-STATE-ALTER TO ENVIR-STATE-ALTER OF NM100REC.	11480000	028418
04728	011730*	11490000		
04729	011740	019-REPLIC-PRG-EDIT.	11500000	
04730	011750*	EXPLICIT DECIMALS PERMITTED IN THESE TWO FIELDS-50 EDIT	11510000	
04731	011760*	CHANGED TO PERMIT THEM TO PASS HERE - LRL 1/26/83	11520000	
04732	011770	EXAMINE RP-COLLECT-SIZE OF NM100REC REPLACING ALL SPACES	11530000	028424
04733	011780	BY ZEROS.	11540000	
04734	011790	MOVE RP-COLLECT-SIZE OF NM100REC TO TEST-FIELD.	11550000	028446
04735	011800	EXAMINE TEST-FIELD REPLACING ALL " " BY "0".	11560000	02844C
04736	011810	IF TEST-FIELD NOT NUMERIC	11570000	02846E
04737	011820	MOVE ZEROS TO RP-COLLECT-SIZE OF NM100REC.	11580000	02847C
04738	011830	EXAMINE RP-SAMPLE-SIZE OF NM100REC REPLACING ALL SPACES	11590000	028486
04739	011840	BY ZEROS.	11600000	
04740	011850	MOVE RP-SAMPLE-SIZE OF NM100REC TO TEST-FIELD.	11610000	0284A8
04741	011860	EXAMINE TEST-FIELD REPLACING ALL " " BY "0".	11620000	0284AE
04742	011870	IF TEST-FIELD NOT NUMERIC	11630000	0284D0
04743	011880	MOVE ZEROS TO RP-SAMPLE-SIZE OF NM100REC.	11640000	0284DE
04744	011890*	11650000		
04745	011900	020-SPECTES-PRG-EDIT.	11660000	
04746	011910	IF SPE-TOTAL-CNT OF NM100REC NOT NUMERIC	11670000	0284EE
04747	011920	AND SPE-TOTAL-CNT OF NM100REC NOT EQUAL SPACES	11680000	
04748	011930	EXAMINE SPE-TOTAL-CNT OF NM100REC	11690000	02850E
04749	011940	REPLACING LEADING SPACES BY ZEROS.	11700000	
04750	011950	IF SPE-TOTAL-MGT OF NM100REC NOT NUMERIC	11710000	028530
04751	011960	AND SPE-TOTAL-MGT OF NM100REC NOT EQUAL SPACES	11720000	
04752	011970	EXAMINE SPE-TOTAL-MGT OF NM100REC	11730000	028550
04753	011980	REPLACING LEADING SPACES BY ZEROS.	11740000	
04754	011990	IF SPE-SAMPLE-CNT OF NM100REC NOT NUMERIC	11750000	028572
04755	012000	AND SPE-SAMPLE-CNT OF NM100REC NOT EQUAL SPACES	11760000	
04756	012010	EXAMINE SPE-SAMPLE-CNT OF NM100REC	11770000	028592
04757	012020	REPLACING LEADING SPACES BY ZEROS.	11780000	
04758	012030	IF SPE-SAMPLE-MGT OF NM100REC NOT NUMERIC	11790000	0285B4
04759	012040	AND SPE-SAMPLE-MGT OF NM100REC NOT EQUAL SPACES	11800000	
04760	012050	EXAMINE SPE-SAMPLE-MGT OF NM100REC	11810000	0285D4
04761	012060	REPLACING LEADING SPACES BY ZEROS.	11820000	
04762	012070	IF SPE-SUBSAMPLE-CNT OF NM100REC NOT NUMERIC	11830000	0285F6

HEX ADDRESS OF VERBS

10.43.12 APR 3.1984

NM100

97

04763	012080	AND-SPE-SUBSAMPLE-CNT-OF-NM100REC-NOT-EQUAL-SPACES	11840000	028616
04764	012090	EXAMINE SPE-SUBSAMPLE-CNT-OF-NM100REC	11850000	
04765	012100	REPLACING LEADING SPACES BY ZEROS.	11860000	
04766	012110	IF-SPE-SUBSAMPLE-WGT-OF-NM100REC-NOT-NUMERIC	11870000	028638
04767	012120	AND-SPE-SUBSAMPLE-WGT-OF-NM100REC-NOT-EQUAL-SPACES	11880000	
04768	012130	EXAMINE SPE-SUBSAMPLE-WGT-OF-NM100REC	11890000	028658
04769	012140	REPLACING LEADING SPACES BY ZEROS.	11900000	
04770	012150*	FOLLOWING TWO PREEDITS ADDED 4/83 LRL	11910000	
04771	012160	IF-SPE-NBR-TAGGED1-OF-NM100REC-NOT-NUMERIC	11920000	02867A
04772	012170	AND-SPE-NBR-TAGGED1-OF-NM100REC-NOT-EQUAL-SPACES	11930000	
04773	012180	EXAMINE SPE-NBR-TAGGED1-OF-NM100REC	11940000	02869A
04774	012190	REPLACING LEADING SPACES BY ZEROS.	11950000	
04775	012200	IF-SPE-NBR-TAGGED2-OF-NM100REC-NOT-NUMERIC	11960000	0286BC
04776	012210	AND-SPE-NBR-TAGGED2-OF-NM100REC-NOT-EQUAL-SPACES	11970000	
04777	012220	EXAMINE SPE-NBR-TAGGED2-OF-NM100REC	11980000	0286DC
04778	012230	REPLACING LEADING SPACES BY ZEROS.	11990000	
04779	012240*	021-INDIV-PRE-EDIT.	12000000	
04780	012250	IF-INDIV-CNT-OF-NM100REC-NOT-NUMERIC	12010000	028704
04781	012260	AND-INDIV-CNT-OF-NM100REC-NOT-EQUAL-SPACES	12020000	
04782	012270	EXAMINE INDIV-CNT-OF-NM100REC	12030000	028724
04783	012280	REPLACING ALL SPACES BY ZEROS.	12040000	
04784	012290	IF-INDIV-LTH-OF-NM100REC-NOT-NUMERIC	12050000	028746
04785	012300	AND-INDIV-LTH-OF-NM100REC-NOT-EQUAL-SPACES	12060000	
04786	012310	EXAMINE INDIV-LTH-OF-NM100REC	12070000	028772
04787	012320	REPLACING LEADING SPACES BY ZEROS.	12080000	
04788	012330	IF-INDIV-AGE-OF-NM100REC-NOT-NUMERIC	12090000	028798
04789	012340	AND-INDIV-AGE-OF-NM100REC-NOT-EQUAL-SPACES	12100000	
04790	012350	EXAMINE INDIV-AGE-OF-NM100REC	12110000	028788
04791	012360	REPLACING LEADING SPACES BY ZEROS.	12120000	
04792	012370	IF-INDIV-SPAWN-MARK-CNT-OF-NM100REC-NOT-NUMERIC	12130000	02870A
04793	012380	AND-INDIV-SPAWN-MARK-CNT-OF-NM100REC-NOT-EQUAL-SPACES	12140000	
04794	012390	EXAMINE INDIV-SPAWN-MARK-CNT-OF-NM100REC	12150000	0287FA
04795	012400	REPLACING LEADING SPACES BY ZEROS.	12160000	
04796	012410	022-ANNULUS-PRE-EDIT.	12170000	
04797	012420*	IF-ANL-LTH-TO-EDGE-OF-NM100REC-NOT-NUMERIC	12180000	028822
04798	012430	AND-ANL-LTH-TO-EDGE-OF-NM100REC-NOT-EQUAL-SPACES	12190000	
04799	012440	EXAMINE ANL-LTH-TO-EDGE-OF-NM100REC	12200000	028842
04800	012450	REPLACING LEADING SPACES BY ZEROS.	12210000	
04801	012460	ADDED 3/83 BY LRL	12220000	
04802	012470	IF-ANL-LTH-TO-EDGE-OF-NM100REC-EQUAL-SPACES	12230000	028864
04803	012480*	MOVE ZEROS TO ANL-LTH-TO-EDGE-OF-NM100REC.	12240000	028876
04804	012490	IF-ANL-AGE-OF-NM100REC-EQUAL-SPACES	12250000	028880
04805	012500	MOVE ZEROS TO ANL-AGE-OF-NM100REC.	12260000	028892
04806	012510	ADDED 4/83-LRL	12270000	
04807	012520	IF-ANL-MARGIN-INCR-OF-NM100REC-NOT-NUMERIC	12280000	02889C
04808	012530*	AND-ANL-MARGIN-INCR-OF-NM100REC-NOT-EQUAL-SPACES	12290000	
04809	012540	EXAMINE ANL-MARGIN-INCR-OF-NM100REC	12300000	0288BC
04810	012550	REPLACING LEADING SPACES BY ZEROS.	12310000	
04811	012560	IF-ANL-DISTANCE1-OF-NM100REC-NOT-NUMERIC	12320000	0288DE
04812	012570	AND-ANL-DISTANCE1-OF-NM100REC-NOT-EQUAL-SPACES	12330000	
04813	012580*	EXAMINE ANL-DISTANCE1-OF-NM100REC	12340000	0288FE
04814	012590	REPLACING LEADING SPACES BY ZEROS.	12350000	
04815	012600	ADDED 4/83-LRL	12360000	
04816	012610	IF-ANL-DISTANCE1-OF-NM100REC-NOT-NUMERIC	12370000	

HEX ADDRESS OF VERBS

APR 3, 1984

10-43-12

NM100

98

04817	012620	IF ANL-DISTANCE2 OF NM100REC NOT NUMERIC	REPLACING LEADING SPACES BY ZEROS.	12380000	028920
04818	012630	AND ANL-DISTANCE2 OF NM100REC NOT EQUAL SPACES		12390000	
04819	012640	EXAMINE ANL-DISTANCE2 OF NM100REC	REPLACING LEADING SPACES BY ZEROS.	12400000	028940
04820	012650	IF ANL-DISTANCE3 OF NM100REC NOT NUMERIC		12410000	
04821	012660	AND ANL-DISTANCE3 OF NM100REC NOT EQUAL SPACES		12420000	028962
04822	012670	EXAMINE ANL-DISTANCE3 OF NM100REC	REPLACING LEADING SPACES BY ZEROS.	12430000	
04823	012680	IF ANL-DISTANCE4 OF NM100REC NOT NUMERIC		12440000	028982
04824	012690	AND ANL-DISTANCE4 OF NM100REC NOT EQUAL SPACES		12450000	
04825	012700	EXAMINE ANL-DISTANCE4 OF NM100REC	REPLACING LEADING SPACES BY ZEROS.	12460000	0289A4
04826	012710	IF ANL-DISTANCE5 OF NM100REC NOT NUMERIC		12470000	
04827	012720	AND ANL-DISTANCE5 OF NM100REC NOT EQUAL SPACES		12480000	0289C4
04828	012730	EXAMINE ANL-DISTANCE5 OF NM100REC	REPLACING LEADING SPACES BY ZEROS.	12490000	
04829	012740	IF ANL-DISTANCE6 OF NM100REC NOT NUMERIC		12500000	0289E6
04830	012750	AND ANL-DISTANCE6 OF NM100REC NOT EQUAL SPACES		12510000	
04831	012760	EXAMINE ANL-DISTANCE6 OF NM100REC	REPLACING LEADING SPACES BY ZEROS.	12520000	028A06
04832	012770	IF ANL-DISTANCE7 OF NM100REC NOT NUMERIC		12530000	
04833	012780	AND ANL-DISTANCE7 OF NM100REC NOT EQUAL SPACES		12540000	028A28
04834	012790	EXAMINE ANL-DISTANCE7 OF NM100REC	REPLACING LEADING SPACES BY ZEROS.	12550000	
04835	012800	IF ANL-DISTANCE8 OF NM100REC NOT NUMERIC		12560000	028A48
04836	012810	AND ANL-DISTANCE8 OF NM100REC NOT EQUAL SPACES		12570000	
04837	012820	EXAMINE ANL-DISTANCE8 OF NM100REC	REPLACING LEADING SPACES BY ZEROS.	12580000	028A6A
04838	012830	IF ANL-DISTANCE9 OF NM100REC NOT NUMERIC		12590000	
04839	012840	AND ANL-DISTANCE9 OF NM100REC NOT EQUAL SPACES		12600000	028A8A
04840	012850	EXAMINE ANL-DISTANCE9 OF NM100REC	REPLACING LEADING SPACES BY ZEROS.	12610000	
04841	012860	IF ANL-DISTANCE10 OF NM100REC NOT NUMERIC		12620000	028AAC
04842	012870	AND ANL-DISTANCE10 OF NM100REC NOT EQUAL SPACES		12630000	
04843	012880	EXAMINE ANL-DISTANCE10 OF NM100REC	REPLACING LEADING SPACES BY ZEROS.	12640000	028ACC
04844	012890	IF ANL-DISTANCE11 OF NM100REC NOT NUMERIC		12650000	
04845	012900	AND ANL-DISTANCE11 OF NM100REC NOT EQUAL SPACES		12660000	028AEE
04846	012910	EXAMINE ANL-DISTANCE11 OF NM100REC	REPLACING LEADING SPACES BY ZEROS.	12670000	
04847	012920	IF ANL-DISTANCE12 OF NM100REC NOT NUMERIC		12680000	028B0E
04848	012930	AND ANL-DISTANCE12 OF NM100REC NOT EQUAL SPACES		12690000	
04849	012940	EXAMINE ANL-DISTANCE12 OF NM100REC	REPLACING LEADING SPACES BY ZEROS.	12700000	028B30
04850	012950	IF ANL-DISTANCE13 OF NM100REC NOT NUMERIC		12710000	
04851	012960	AND ANL-DISTANCE13 OF NM100REC NOT EQUAL SPACES		12720000	028B50
04852	012970	EXAMINE ANL-DISTANCE13 OF NM100REC	REPLACING LEADING SPACES BY ZEROS.	12730000	
04853	012980	IF ANL-DISTANCE14 OF NM100REC NOT NUMERIC		12740000	028B72
04854	012990	AND ANL-DISTANCE14 OF NM100REC NOT EQUAL SPACES		12750000	
04855	013000	EXAMINE ANL-DISTANCE14 OF NM100REC	REPLACING LEADING SPACES BY ZEROS.	12760000	028B92
04856	013010	IF ANL-DISTANCE15 OF NM100REC NOT NUMERIC		12770000	
04857	013020	AND ANL-DISTANCE15 OF NM100REC NOT EQUAL SPACES		12780000	028BB4
04858	013030	EXAMINE ANL-DISTANCE15 OF NM100REC	REPLACING LEADING SPACES BY ZEROS.	12790000	
04859	013040	IF ANL-DISTANCE16 OF NM100REC NOT NUMERIC		12800000	028BD4
04860	013050	AND ANL-DISTANCE16 OF NM100REC NOT EQUAL SPACES		12810000	
04861	013060	EXAMINE ANL-DISTANCE16 OF NM100REC	REPLACING LEADING SPACES BY ZEROS.	12820000	028BF6
04862	013070	IF ANL-DISTANCE17 OF NM100REC NOT NUMERIC		12830000	
04863	013080	AND ANL-DISTANCE17 OF NM100REC NOT EQUAL SPACES		12840000	028C16
04864	013090	EXAMINE ANL-DISTANCE17 OF NM100REC	REPLACING LEADING SPACES BY ZEROS.	12850000	
04865	013100	IF ANL-DISTANCE18 OF NM100REC NOT NUMERIC		12860000	028C38
04866	013110	AND ANL-DISTANCE18 OF NM100REC NOT EQUAL SPACES		12870000	
04867	013120	EXAMINE ANL-DISTANCE18 OF NM100REC	REPLACING LEADING SPACES BY ZEROS.	12880000	028C58
04868	013130	IF ANL-DISTANCE19 OF NM100REC NOT NUMERIC		12890000	
04869	013140	AND ANL-DISTANCE19 OF NM100REC NOT EQUAL SPACES		12900000	028C7A
04870	013150	EXAMINE ANL-DISTANCE19 OF NM100REC	REPLACING LEADING SPACES BY ZEROS.	12910000	

HEX ADDRESS OF VERBS

APR 3, 1984

10.43.12

NM100

99

04871	013160	AND ANL-DISTANCE15 OF NM100REC NOT EQUAL SPACES	12920000	028C9A
04872	013170	EXAMINE ANL-DISTANCE15 OF NM100REC	12930000	
04873	013180	REPLACING LEADING SPACES BY ZEROS.	12940000	
04874	013190	IF ANL-DISTANCE16 OF NM100REC NOT NUMERIC	12950000	028C8C
04875	013200	AND ANL-DISTANCE16 OF NM100REC NOT EQUAL SPACES	12960000	
04876	013210	EXAMINE ANL-DISTANCE16 OF NM100REC	12970000	028CDC
04877	013220	REPLACING LEADING SPACES BY ZEROS.	12980000	
04878	013230	IF ANL-DISTANCE17 OF NM100REC NOT NUMERIC	12990000	028CFE
04879	013240	AND ANL-DISTANCE17 OF NM100REC NOT EQUAL SPACES	13000000	
04880	013250	EXAMINE ANL-DISTANCE17 OF NM100REC	13010000	028D1E
04881	013260	REPLACING LEADING SPACES BY ZEROS.	13020000	
04882	013270	IF ANL-DISTANCE18 OF NM100REC NOT NUMERIC	13030000	028D40
04883	013280	AND ANL-DISTANCE18 OF NM100REC NOT EQUAL SPACES	13040000	
04884	013290	EXAMINE ANL-DISTANCE18 OF NM100REC	13050000	028D60
04885	013300	REPLACING LEADING SPACES BY ZEROS.	13060000	
04886	013310	IF ANL-DISTANCE19 OF NM100REC NOT NUMERIC	13070000	028D82
04887	013320	AND ANL-DISTANCE19 OF NM100REC NOT EQUAL SPACES	13080000	
04888	013330	EXAMINE ANL-DISTANCE19 OF NM100REC	13090000	028DA2
04889	013340	REPLACING LEADING SPACES BY ZEROS.	13100000	
04890	013350	IF ANL-DISTANCE20 OF NM100REC NOT NUMERIC	13110000	028DC4
04891	013360	AND ANL-DISTANCE20 OF NM100REC NOT EQUAL SPACES	13120000	
04892	013370	EXAMINE ANL-DISTANCE20 OF NM100REC	13130000	028DE4
04893	013380	REPLACING LEADING SPACES BY ZEROS.	13140000	
04894	013390	IF ANL-DISTANCE21 OF NM100REC NOT NUMERIC	13150000	028E06
04895	013400	AND ANL-DISTANCE21 OF NM100REC NOT EQUAL SPACES	13160000	
04896	013410	EXAMINE ANL-DISTANCE21 OF NM100REC	13170000	028E26
04897	013420	REPLACING LEADING SPACES BY ZEROS.	13180000	
04898	013430	IF ANL-DISTANCE22 OF NM100REC NOT NUMERIC	13190000	028E48
04899	013440	AND ANL-DISTANCE22 OF NM100REC NOT EQUAL SPACES	13200000	
04900	013450	EXAMINE ANL-DISTANCE22 OF NM100REC	13210000	028E68
04901	013460	REPLACING LEADING SPACES BY ZEROS.	13220000	
04902	013470	IF ANL-DISTANCE23 OF NM100REC NOT NUMERIC	13230000	028E8A
04903	013480	AND ANL-DISTANCE23 OF NM100REC NOT EQUAL SPACES	13240000	
04904	013490	EXAMINE ANL-DISTANCE23 OF NM100REC	13250000	028EAA
04905	013500	REPLACING LEADING SPACES BY ZEROS.	13260000	
04906	013510	IF ANL-DISTANCE24 OF NM100REC NOT NUMERIC	13270000	028ECC
04907	013520	AND ANL-DISTANCE24 OF NM100REC NOT EQUAL SPACES	13280000	
04908	013530	EXAMINE ANL-DISTANCE24 OF NM100REC	13290000	028EEC
04909	013540	REPLACING LEADING SPACES BY ZEROS.	13300000	
04910	013550	IF ANL-DISTANCE25 OF NM100REC NOT NUMERIC	13310000	028F0E
04911	013560	AND ANL-DISTANCE25 OF NM100REC NOT EQUAL SPACES	13320000	
04912	013570	EXAMINE ANL-DISTANCE25 OF NM100REC	13330000	028F2E
04913	013580	REPLACING LEADING SPACES BY ZEROS.	13340000	
04914	013590	IF ANL-DISTANCE26 OF NM100REC NOT NUMERIC	13350000	028F50
04915	013600	AND ANL-DISTANCE26 OF NM100REC NOT EQUAL SPACES	13360000	
04916	013610	EXAMINE ANL-DISTANCE26 OF NM100REC	13370000	028F70
04917	013620	REPLACING LEADING SPACES BY ZEROS.	13380000	
04918	013630	IF ANL-DISTANCE27 OF NM100REC NOT NUMERIC	13390000	028F92
04919	013640	AND ANL-DISTANCE27 OF NM100REC NOT EQUAL SPACES	13400000	
04920	013650	EXAMINE ANL-DISTANCE27 OF NM100REC	13410000	028FB2
04921	013660	REPLACING LEADING SPACES BY ZEROS.	13420000	
04922	013670	IF ANL-DISTANCE28 OF NM100REC NOT NUMERIC	13430000	028FD4
04923	013680	AND ANL-DISTANCE28 OF NM100REC NOT EQUAL SPACES	13440000	
04924	013690	EXAMINE ANL-DISTANCE28 OF NM100REC	13450000	028FF4

100	NH100	10.43.12	APR 3, 1984	HEX ADDRESS OF VERBS
04925	013700	REPLACING LEADING SPACES BY ZEROS.		13460000
04926	013710	IF ANL-DISTANCE29 OF NM100REC NOT NUMERIC		13470000
04927	013720	AND ANL-DISTANCE29 OF NM100REC NOT EQUAL SPACES		029016
04928	013730	EXAMINE ANL-DISTANCE29 OF NM100REC		13480000
04929	013740	REPLACING LEADING SPACES BY ZEROS.		13490000
04930	013750	IF ANL-DISTANCE30 OF NM100REC NOT NUMERIC		13500000
04931	013760	AND ANL-DISTANCE30 OF NM100REC NOT EQUAL SPACES		029058
04932	013770	EXAMINE ANL-DISTANCE30 OF NM100REC		13510000
04933	013780	REPLACING LEADING SPACES BY ZEROS.		13520000
04934	013790	IF NUM-OF-SPAWN-MARKS OF NM100REC NOT NUMERIC		13530000
04935	013800	AND NUM-OF-SPAWN-MARKS OF NM100REC NOT EQUAL SPACES		13540000
04936	013810	EXAMINE NUM-OF-SPAWN-MARKS OF NM100REC		13550000
04937	013820	REPLACING LEADING SPACES BY ZEROS.		13560000
04938	013830	023-RECAP-EDIT.		13570000
04939	013840	IF DAYS-OUT OF NM100REC NOT NUMERIC AND DAYS-OUT OF NM100REC		13580000
04940	013850	NOT EQUAL SPACES		13590000
04941	013860	EXAMINE DAYS-OUT OF NM100REC REPLACING LEADING SPACES		13600000
04942	013870	BY ZEROS.		0290E2
04943	013880	024-POST-SORT-PROCESSING SECTION.		13610000
04944	013890	PERFORM 030-HOUSEKEEPING.		13620000
04945	013900	MOVE SPACES TO NM100REC.		13630000
04946	013910	PERFORM 100-MAINLINE UNTIL END-OF-MASTER		02912A
04947	013920	AND END-OF-TRANS.		029142
04948	013930	PERFORM 060-END-OF-JOB.		02914C
04949	013940	025-POST-SORT-EXIT.		13640000
04950	013950	EXIT.		13650000
04951	013960	028-REPORT-PROCESSING SECTION.		13660000
04952	013970	030-HOUSEKEEPING.		13670000
04953	013980	IF SORT-RETURN NOT EQUAL 0		13680000
04954	013990	DISPLAY PROGRAM ABENDED BECAUSE OF SORT RETURN CODE		13690000
04955	014000	ADD 1 TO CAUSE-ABEND.		0291AA
04956	014010	OPEN INPUT OLD-MAST.		13700000
04957	014020	OPEN OUTPUT NEW-MAST, UPDATE-RPT,		13710000
04958	014030	STRUC-ERR-RPT.		13720000
04959	014040	MOVE CURRENT-DATE TO R1-RUN-DATE, R3-RUN-DATE.		13730000
04960	014050	MOVE TURN-ON TO READ-TRAN-SW, READ-MSTR-SW.		13740000
04961	014060	MOVE TURN-OFF TO WRITE-RPT1-SW, WRITE-NEWMSTR-SW, DUMMY-RD-SW.		13750000
04962	014070	PERFORM 202-WRITE-RPT1-UPD-HEADING.		13760000
04963	014080	PERFORM 212-WRITE-RPT2-FRR-HEADING.		13770000
04964	014090	PERFORM 262-WRITE-RPT3-STRUC-HEADING.		13780000
04965	014100	GET FILE OF COMMON & LATIN NAMES IN TABLE & THEN SORT THEM		13790000
04966	014110	PERFORM 040-READ-LATIN-TABLE.		13800000
04967	014120	040-READ-LATIN-TABLE.		13810000
04968	014130	OPEN INPUT LATIN-FILE.		13820000
04969	014140	MOVE 1 TO LATIN-SUBSCR.		13830000
04970	014150	PERFORM 041-READ-TABLE UNTIL EOF-LATIN.		13840000
04971	014160	COMPUTE LATIN-TOTAL = LATIN-SUBSCR - 1.		13850000
04972	014170			13860000
04973	014180			13870000
04974	014190			13880000
04975	014200			13890000
04976	014210			13900000
04977	014220			13910000
04978	014230			13920000
				13930000
				13940000
				13950000
				13960000
				13970000
				13980000
				13990000
				0293AE

101	NW100	10.43.12	APR 3.1984	HEX ADDRESS OF VERBS
04979	014240	CLOSE LATIN-FILE.		14000000 02938A
04980	014250	PERFORM 042-SORT-LATIN-FILE.		14010000 02943E
04981	014260	IF LATIN-TOTAL LESS 427		14020000 02945A
04982	014270	PERFORM 046-ADD-HIGH-VALUES-VARYING-LATIN-SUBSCR FROM		14030000 02946A
04983	014280	LATIN-SUBSCR BY 1 UNTIL LATIN-SUBSCR GREATER 427.		14040000
04984	014290			14050000
04985	014300	041-READ-TABLE.		14060000
04986	014310	READ LATIN-FILE INTO LATIN-NAME-TABLE (LATIN-SUBSCR)		14070000 029486
04987	014320	AT END		14080000
04988	014330	SUBTRACT 1 FROM LATIN-SUBSCR		14090000 029504
04989	014340	DISPLAY, THERE WERE * LATIN-SUBSCR * ENTRIES *		14100000 029510
04990	014350	'LOADED INTO THE SPECIES NAME TABLE *		14110000
04991	014360	'FROM MFSP -		14120000
04992	014370	MOVE TURN-ON TO EOF-LATIN-SW.		14130000 02954C
04993	014380	EXAMINE SPECIES-NUMBER (LATIN-SUBSCR)		14140000 029552
04994	014390	REPLACING ALL * BY * 0.		14150000
04995	014400	IF SPECIES-NUMBER (LATIN-SUBSCR) NOT NUMERIC OR		14160000 029592
04996	014410	SPECIES-NUMBER (LATIN-SUBSCR) EQUAL ZEROS		14170000 029586
04997	014420	SUBTRACT 1 FROM LATIN-SUBSCR.		14180000 0295C2
04998	014430	ADD 1 TO LATIN-SUBSCR.		14190000
04999	014440	TABLE CAPACITY IS 427 - OUTPUT MSG AND AVOID ABEND		14200000
05000	014450	IF LATIN-SUBSCR-EQUAL 427		14210000 0295CE
05001	014460	DISPLAY, TABLE CAPACITY FOR MFSP REACHED AT 427 *		14220000 0295DA
05002	014470	'RECORDS - NO FURTHER RECORDS WILL BE INPUT *		14230000
05003	014480	'ERRORS MAY RESULT *		14240000
05004	014490	MOVE TURN-ON TO EOF-LATIN-SW.		14250000 029602
05005	014500			14260000
05006	014510	042-SORT-LATIN-FILE.		14270000
05007	014520	MOVE LATIN-TOTAL TO ARRANGE-LIMIT.		14280000 02960E
05008	014530	PERFORM 043-ARRANGE-START THRU 045-ARRANGE-END.		14290000 029618
05009	014540			14300000
05010	014550	043-ARRANGE-START.		14310000
05011	014560	MOVE 0 TO ARRANGE-LAST, ARRANGE-SS1.		14320000 02963A
05012	014570	MOVE 1 TO ARRANGE-SS2.		14330000 02964A
05013	014580			14340000
05014	014590	044-ARRANGE-LOOP.		14350000
05015	014600	ADD 1 TO ARRANGE-SS1.		14360000 029650
05016	014610	ADD 1 TO ARRANGE-SS2.		14370000 029660
05017	014620	IF ARRANGE-SS2 GREATER THAN ARRANGE-LIMIT		14380000 02966C
05018	014630	GO TO 045-ARRANGE-END.		14390000 029678
05019	014640	IF SPECIES-NUMBER-P (ARRANGE-SS1) GREATER		14400000 02967C
05020	014650	SPECIES-NUMBER-R (ARRANGE-SS2)		14410000
05021	014660	MOVE ARRANGE-SS1 TO ARRANGE-LAST		14420000 02968A
05022	014670	MOVE LATIN-NAME-TABLE (ARRANGE-SS1) TO ARRANGE-HOLD-AREA		14430000 0296C0
05023	014680	MOVE LATIN-NAME-TABLE (ARRANGE-SS2) TO		14440000 0296F2
05024	014690	LATIN-NAME-TABLE (ARRANGE-SS1)		14450000
05025	014700	MOVE ARRANGE-HOLD-AREA TO		14460000 029716
05026	014710	LATIN-NAME-TABLE (ARRANGE-SS2).		14470000 02973E
05027	014720	GO TO 044-ARRANGE-LOOP.		14480000
05028	014730			14490000
05029	014740	045-ARRANGE-END.		14500000
05030	014750	IF ARRANGE-LAST NOT EQUAL 0		14510000 029742
05031	014760	MOVE ARRANGE-LAST TO ARRANGE-LIMIT		14520000 029752
05032	014770	GO TO 043-ARRANGE-START.		14530000 029758

102	MM100	10.43.12	APR 3, 1984	HEX ADDRESS OF VERBS
05033	014780*			14540000
05034	014790 046-ADD-HIGH-VALUES:			14550000
05035	014800 MOVE HIGH-VALUES TO SPECIES-NUMBER ILATIN-SUBSCRJ.			029762
05036	014810*			14570000
05037	014820 060-END-OF-JOB.			14580000
05038	014830*			14590000
05039	014840* THE TOTAL NUMBER OF NEW MASTERFILE RECORDS			14600000
05040	014850* (LISTED AT END OF REPORT 1) WILL BE LESS			14610000
05041	014860* THAN THE NUMBER OF RECORDS PRINTED ON REPORT 1			14620000
05042	014870* WHICH INCLUDES ALL VALID ADDS, CHANGES AND DELETES.			14630000
05043	014880*			14640000
05044	014890 MOVE REC-REJECT-TOT TO RPT-REJECT-TOT.			02978C
05045	014900 MOVE NRR-BEFORE-UPDATE TO RPT-NRR-BEFORE-UPD.			02979E
05046	014910 MOVE NRR-AFTER-UPDATE TO RPT-NRR-AFTER-UPD.			029780
05047	014920 MOVE NRR-RECS-ADDED TO RPT-NRR-RECS-ADDED.			0297C2
05048	014930 MOVE NRR-RECS-CHG TO RPT-NRR-RECS-CHG.			0297D4
05049	014940 MOVE NRR-RECS-DEL TO RPT-NRR-RECS-DEL.			0297E6
05050	014950 IF R1-LINE-CNT GREATER THAN 46			0297F8
05051	014960 PERFORM 202-WRITE-RPT1-UPD-HEADING.			14720000
05052	014970 WRITE UPD-PRT-LINE FROM REPORT1-TOTAL-LINE1			14730000
05053	014980 AFTER POSITIONING 3.			14740000
05054	014990 WRITE UPD-PRT-LINE FROM REPORT1-TOTAL-LINE2			029868
05055	015000 AFTER POSITIONING 2.			14760000
05056	015010 WRITE UPD-PRT-LINE FROM REPORT1-TOTAL-LINE3			14770000
05057	015020 AFTER POSITIONING 2.			14780000
05058	015030 WRITE UPD-PRT-LINE FROM REPORT1-TOTAL-LINE4			14790000
05059	015040 AFTER POSITIONING 2.			14800000
05060	015050 WRITE UPD-PRT-LINE FROM REPORT1-TOTAL-LINE5			14910000
05061	015060 AFTER POSITIONING 2.			14820000
05062	015070 WRITE UPD-PRT-LINE FROM REPORT1-TOTAL-LINE6			14830000
05063	015080 AFTER POSITIONING 2.			14840000
05064	015090 CLOSE OLD-MAST,			14850000
05065	015100 NEW-MAST, UPDATE-RPT, ERROR-RPT, STRUC-ERR-RPT.			14860000
05066	015110 DISPLAY - END OF MM100.			14870000
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74				
75				
76				
77				
78				
79				
80				
81				
82				
83				
84				
85				
86				
87				
88				
89				
90				
91				
92				
93				
94				
95				
96				
97				
98				
99				
100				

103	NM100	10.43.12	APR 3.1984	HEX ADDRESS OF VERBS
1	05068	015130	100-MAINLINE.	14890000
2	05069	015140	IF READ-MSTR	029C10
3	05070	015150	PERFORM 110-READ-MSTR.	029C18
4	05071	015160	IF READ-TRAN	029C30
5	05072	015170	PERFORM 120-READ-TRANS.	029C3C
6	05073	015180	IF NOT END-OF-MASTER AND END-OF-TRANS)	029C54
7	05074	015190	PERFORM 130-MATCH-MSTR-TO-TRANS.	029C72
8	05075	015200	IF WRITE-RPT1	14950000
9	05076	015210	PERFORM 200-WRITE-RPT1-UPD.	14960000
10	05077	015220	IF WRITE-NEWMSTR	14970000
11	05078	015230	PERFORM 220-WRITE-NEWMSTR-REC.	029C8A
12	05079	015240*		029C82
13	05080	015250	110-READ-MSTR.	14980000
14	05081	015260	IF DUMMY-RD-OFF	14990000
15	05082	015270	PERFORM 111-REAL-READ	15000000
16	05083	015280	ELSE	15010000
17	05084	015290	PERFORM 112-DUMMY-READ.	15020000
18	05085	015300	MOVE TURN-OFF TO READ-MSTR-SW.	15030000
19	05086	015310	***** TEMP CHG FOR DEBUG 10/25/82 *****	15040000
20	05087	015320	***** IF SEQUENCE-NUMBER OF NM10REC = '8008506'	15050000
21	05088	015330	READY TRACE	15060000
22	05089	015340	***** DISPLAY *KEY=* MSTR-CONTROL-OF NM10REC.	15070000
23	05090	015350	***** TEMP CHG FOR DEBUG 10/25/82 *****	15080000
24	05091	015360*		15090000
25	05092	015370	111-REAL-READ.	15100000
26	05093	015380	READ OLD-MSTR INTO NM10REC	15110000
27	05094	015390	AT END	15120000
28	05095	015400	MOVE HIGH-VALUES TO NM10REC.-OLDMSTR-REC.	15130000
29	05096	015410	IF NOT END-OF-MASTER	15140000
30	05097	015420	ADD 1 TO NBR-BEFORE-UPDATE.	029D34
31	05098	015430*		029D60
32	05099	015440	112-DUMMY-READ.	029D78
33	05100	015450	MOVE OLDMSTR-REC TO NM10REC.	029D8E
34	05101	015460	MOVE TURN-OFF TO DUMMY-RD-SW.	15150000
35	05102	015470*		15160000
36	05103	015480	120-READ-TRANS.	15170000
37	05104	015490	RETURN-SORT-FILE-INTO-NM10REC	15180000
38	05105	015500	AT END	15190000
39	05106	015510	MOVE HIGH-VALUES TO NM10REC.	15200000
40	05107	015520	MOVE TURN-OFF TO READ-TRAN-SW.	15210000
41	05108	015530	MOVE TURN-OFF TO DETAIL-LINE-WRITTEN-SW.	15220000
42	05109	015540*		15230000
43	05110	015550	130-MATCH-MSTR-TO-TRANS.	15240000
44	05111	015560	***** DEBAG *****	15250000
45	05112	015570	DISPLAY *MSTR=* MSTR-CONTROL	15260000
46	05113	015580*	***** TR=* TR-CONTROL *****	15270000
47	05114	015590*	***** MSTR-CONTROL GREATER THAN TR-CONTROL *****	15280000
48	05115	015600	IF MSTR-CONTROL GREATER THAN TR-CONTROL	15290000
49	05116	015610	PERFORM 131-MASTER-HIGH	15300000
50	05117	015620	ELSE	15310000
51	05118	015630	IF MSTR-CONTROL EQUAL TO TR-CONTROL	15320000
52	05119	015640	AND RECORD-TYPE OF NM10REC *	15330000
53	05120	015650	RECORD-TYPE OF NM10REC	15340000
54	05121	015660	PERFORM 137-MASTER-EQUAL	15350000
55				15360000
56				15370000
57				15380000
58				15390000
59				15400000
60				15410000
61				15420000
62				029D9E
63				029D84
64				029D8E
65				029D8E
66				029D8E
67				029D8E
68				029D8E
69				029D8E
70				029D8E
71				029D8E
72				029D8E
73				029D8E
74				029D8E
75				029D8E
76				029D8E
77				029D8E
78				029D8E
79				029D8E
80				029D8E
81				029D8E
82				029D8E
83				029D8E
84				029D8E
85				029D8E
86				029D8E
87				029D8E
88				029D8E
89				029D8E
90				029D8E
91				029D8E
92				029D8E
93				029D8E
94				029D8E
95				029D8E
96				029D8E
97				029D8E
98				029D8E
99				029D8E
100				029D8E

104	NM100	10-43-12	APR 3-1984	HEX ADDRESS OF VERBS
05122	015670	ELSE		15430000
05123	015680	PERFORM 170-MASTER-LOW.		029E5C
05124	015690*			15440000
05125	015700	131-MASTER-HIGH.		15450000
05126	015710	MOVE TURN-ON TO READ-TRAN-SW.		15460000
05127	015720	IF TR-ADD		029E82
05128	015730	PERFORM-132-HIGH-ADD-TRANS		029E88
05129	015740	ELSE		15490000
05130	015750	PERFORM 134-HIGH-CHG-OR-DELETE-TRANS.		15500000
05131	015760*			15510000
05132	015770	132-HIGH-ADD-TRANS.		15520000
05133	015780	MOVE TURN-ON TO MASTER-ACTION-SW.		15530000
05134	015790	MOVE TURN-ON TO WRITE-RPT1-SW.		029EDA
05135	015800	MOVE TURN-ON TO DUMMY-RD-SW.		029EE0
05136	015810	MOVE SPACES TO NHILLOREC.		029EE6
05137	015820	MOVE CORR TR-CONTROL TO MSTR-CONTROL.		029EEC
05138	015830	MOVE RECORD-TYPE OF NHILLOREC TO RECORD-TYPE OF NHILLOREC.		029EF6
05139	015840	PERFORM 133-MOVE-DATA-BY-TYPE.		029F1A
05140	015850	ADD 1 TO NRR-RECS-ADDED.		029F20
05141	015860	PERFORM 135-BUILD-RPT1.		029F38
05142	015870	MOVE REC-ADD TO RPT1-MESSAGE.		029F42
05143	015880*			15430000
05144	015890	133-MOVE-DATA-BY-TYPE.		15440000
05145	015900	*****		15450000
05146	015910*	DEBUG 3/83 LRL		15460000
05147	015920*	IF TR-CONTROL EQUAL '79009890188350201020016'		15470000
05148	015930*	DISPLAY 'TRANS-' TR-INDIVIDUAL-DATA * MSTR-		15480000
05149	015940*	INDIVIDUAL-DATA.		15490000
05150	015950	*****		15700000
05151	015960	IF ENVIR-RECORD		15710000
05152	015970	MOVE CORR TR-ENVIR-STA-DATA TO ENVIR-STA-DATA		029F6E
05153	015980	ELSE		029F76
05154	015990	IF REPLIC-RECORD		02A05E
05155	016000	MOVE CORR TR-REPLICATE-DATA TO REPLICATE-DATA		02A066
05156	016010	ELSE		15770000
05157	016020	IF SPECIES-RECORD		15780000
05158	016030	MOVE CORR TR-SPECIES-DATA TO SPECIES-DATA		02A082
05159	016040	ELSE		02A08A
05160	016050	IF INDIV-RECORD		15800000
05161	016060	MOVE CORR TR-INDIVIDUAL-DATA TO INDIVIDUAL-DATA		02A0D0
05162	016070	ELSE		02A0D8
05163	016080	IF ANNILUS-RECORD		15820000
05164	016090	MOVE CORR TR-ANNULUS-DATA TO ANNULUS-DATA		15830000
05165	016100	ELSE		02A13C
05166	016110	IF TAG-RECAPTURE-RECORD		02A144
05167	016120	MOVE CORR TR-TAG-RECAPTURE-DATA TO TAG-RECAPTURE-DATA		02A214
05168	016130	*****		02A21C
05169	016140	*****		15860000
05170	016150*	DEBUG 3/83 LRL		15870000
05171	016160*	IF TR-CONTROL EQUAL '79009890188350201020016'		15880000
05172	016170*	DISPLAY 'TRANS-' TR-INDIVIDUAL-DATA * MSTR-		15890000
05173	016180*	INDIVIDUAL-DATA.		15900000
05174	016190	*****		15910000
05175	016200*	*****		15920000
				15930000
				15940000
				15950000
				15960000

105	WM100	10-43.12	APR 3, 1984	HEX ADDRESS OF VERBS
1	05176	016219-134-HIGH-CHG-OR-DELETE-TRANS.		15970000
2	05177	IF NOT VALID-CHANGE-CODE		02A25E
3	05178	MOVE SPACES TO RPTI-MESSAGE		02A26E
4	05179	MOVE INVAL-CHG-CODE TO RPTI-ERROR		02A278
5	05180	ELSE		
6	05181	IF TR-CHANGE		
7	05182	MOVE NOT-CHG TO RPTI-MESSAGE		02A282
8	05183	MOVE NO-REC TO RPTI-ERROR		02A28A
9	05184	ELSE		02A29A
10	05185	IF TR-DELETE		
11	05186	MOVE NOT-DEL TO RPTI-MESSAGE		02A2A4
12	05187	MOVE NO-REC TO RPTI-ERROR		02A2AC
13	05188	MOVE TURN-ON TO EDIT-REJECT-ERROR-SW.		02A2BC
14	05189	PERFORM 177-BUILD-TRANS-ERROR.		02A2C2
15	05190	ELSE		02A2C8
16	05191	135-BUILD-RPTI.		
17	05192	MOVE RECORD-TYPE OF NMIIOREC TO RPTI-REC-TYPE.		
18	05193	MOVE SEQUENCE-NUMBER OF NMIIOREC TO RPTI-SEQ-NBR.		02A2EE
19	05194	MOVE REPLICATE-NUMBER OF NMIIOREC TO RPTI-REP-NBR.		02A2F4
20	05195	MOVE SPECIES-CODE OF NMIIOREC TO RPTI-SPECIES-NBR.		02A2FA
21	05196	MOVE SPECIES-STATUS OF NMIIOREC TO RPTI-SPECIES-STATUS.		02A300
22	05197	MOVE LINE-NUMBER OF NMIIOREC TO RPTI-LINE-NBR.		02A306
23	05198	MOVE SPACES TO RPTI-ERROR.		02A30C
24	05199	IF MSTR-ANNULUS-RECORD OR MSTR-INDIV-RECORD OR		02A312
25	05200	MSTR-SPECIES-RECORD		02A31C
26	05201	MOVE DASH TO RPTI-DASH		
27	05202	ELSE		02A334
28	05203	MOVE SPACES TO RPTI-DASH.		
29	05204	137-MASTER-EQUAL.		02A33E
30	05205	MOVE TURN-ON TO READ-TRAN-SW.		
31	05206	IF TR-ADD		
32	05207	OR NOT VALID-CHANGE-CODE		02A348
33	05208	PERFORM 138-EQUAL-ADD-TRANS		02A34E
34	05209	ELSE		
35	05210	IF TR-CHANGE		02A36E
36	05211	PERFORM 139-EQUAL-CHANGE-TRANS		
37	05212	ELSE		02A392
38	05213	PERFORM 160-EQUAL-DELETE-TRANS.		02A39A
39	05214	138-EQUAL-ADD-TRANS.		
40	05215	IF TR-ADD		02A3BE
41	05216	MOVE NOT-ADD TO RPTI-MESSAGE		
42	05217	MOVE REC-ALREADY TO RPTI-ERROR		
43	05218	ELSE		02A3E4
44	05219	MOVE SPACES TO RPTI-MESSAGE		02A3F8
45	05220	MOVE INVAL-CHG-CODE TO RPTI-ERROR.		02A408
46	05221	MOVE TURN-ON TO EDIT-REJECT-ERROR-SW.		
47	05222	PERFORM 177-BUILD-TRANS-ERROR.		02A412
48	05223	139-EQUAL-CHANGE-TRANS.		02A41C
49	05224	MOVE TURN-ON TO WRITE-RPTI-SW.		02A422
50	05225	MOVE CORR TR-CONTROL TO MSTR-CONTROL.		02A428
51	05226	139-EQUAL-CHANGE-TRANS.		
52	05227	MOVE TURN-ON TO MASTER-ACTION-SW.		02A44E
53	05228	MOVE TURN-ON TO WRITE-RPTI-SW.		02A454
54	05229	MOVE CORR TR-CONTROL TO MSTR-CONTROL.		02A45A

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

NM100

106

05230 016750 MOVE RECORD-TYPE OF NM100REC TO RECORD-TYPE OF NM100REC. 16510000 02A47E
 05231 016760 PERFORM I33-MOVE-DATA-BY-TYPE. 16520000 02A484
 05232 016770 ADD 1 TO NBR-RECS-CHG. 16530000 02A4A0
 05233 016780 PERFORM-I33-BUILD-RPT1. 16540000 02A4AA
 05234 016790 MOVE REC-CHG TO RPT1-MESSAGE. 16550000 02A4CA

107	NH100	10.43.12	APR 3, 1984	HEX ADDRESS OF VERB8
05236	016810	140-EDIT-ROUTINE.		16570000
05237	016820	IF MSTR-ENVR-RECORD		16580000
05238	016830	PERFORM 141-EDIT-ENVR-REC		02A4DA
05239	016840	MOVE CURRENT-DATE TO DATE-MODIFIED OF ENVR-STA-DATA		02A4E2
05240	016850	OF NH10REC		02A4FA
05241	016860	ELSE		16610000
05242	016870	IF MSTR-REPLIC-RECORD		16620000
05243	016880	PERFORM 149-EDIT-REPLIC-REC		16630000
05244	016890	MOVE CURRENT-DATE TO DATE-MODIFIED OF REPLIC-DATE		02A512
05245	016900	OF NH10REC		02A51A
05246	016910	ELSE		02A536
05247	016920	IF MSTR-SPECIES-RECORD		16660000
05248	016930	PERFORM 151-EDIT-SPECIES-REC		16670000
05249	016940	MOVE CURRENT-DATE TO DATE-MODIFIED		16680000
05250	016950	OF SPECIES-DATA OF NH10REC		02A54E
05251	016960	ELSE		02A556
05252	016970	IF MSTR-INDIV-RECORD		02A572
05253	016980	PERFORM 153-EDIT-INDIV-REC		16700000
05254	016990	MOVE CURRENT-DATE TO DATE-MODIFIED		16710000
05255	017000	OF INDIVIDUAL-DATA OF NH10REC		16720000
05256	017010	ELSE		02A58A
05257	017020	IF MSTR-ANNUUS-RECORD		02A592
05258	017030	PERFORM 155-EDIT-ANNUUS-REC		02A5AE
05259	017040	MOVE CURRENT-DATE TO DATE-MODIFIED		16730000
05260	017050	OF ANNUUS-DATA OF NH10REC		02A5C6
05261	017060	ELSE		02A5CE
05262	017070	IF MSTR-TAG-RECAPTURE-RECORD		02A5EA
05263	017080	PERFORM 158-EDIT-TAG-RECAP-REC		16780000
05264	017090	MOVE CURRENT-DATE TO DATE-MODIFIED		16790000
05265	017100	OF TAG-RECAPTURE-DATA		16800000
05266	017110	OF NH10REC.		16810000
05267	017120	ELSE		16820000
05268	017130	IF MSTR-PROG-AND-NOT-(INVALID-NUMER-GRID AND		16830000
05269	017140	VALID-ALPHA-GRID)		16840000
05270	017150	MOVE TURN-ON TO EDIT-ERROR-SW		02A602
05271	017160	MOVE ENVR-GRID OF NH10REC TO ERR-MSG-GRID		02A60A
05272	017170	MOVE GRID-NOT-FORMATTED TO RPT2-ERR-MSG		02A626
05273	017180	PERFORM 179-BUILD-MASTER-ERROR.		16850000
05274	017190	IF SEQ-YR-OF-NH10REC NOT = ENVR-YR OF NH10REC		16860000
05275	017200	MOVE TURN-ON TO EDIT-ERROR-SW		16870000
05276	017210	MOVE YEAR-DOESNT-MATCH TO RPT2-ERR-MSG		16880000
05277	017220	PERFORM 179-BUILD-MASTER-ERROR.		16890000
05278	017230	*****		16900000
05279	017240	*****		16910000
05280	017250	*****		16920000
05281	017260	*****		16930000
05282	017270	*****		16940000
05283	017280	*****		16950000
05284	017290	*****		16960000
05285	017300	*****		16970000
05286	017310	*****		16980000
05287	017320	*****		16990000
05288	017330	*****		17000000
05289	017340	*****		17010000
05290	017350	*****		17020000
05291	017360	*****		17030000
05292	017370	*****		17040000
05293	017380	*****		17050000
05294	017390	*****		17060000
05295	017400	*****		17070000
05296	017410	*****		17080000
05297	017420	*****		17090000
05298	017430	*****		17100000
05299	017440	*****		02A6EC

108	10.43.12	APR 3.1984	HEX ADDRESS OF VERBS
05290	017350	MOVE TURN-ON TO EDIT-ERROR-SM	17110000
05291	017360	MOVE START-LOC-ERROR TO RPT2-ERR-HSG	17120000
05292	017370	PERFORM 179-BUILD-MASTER-ERROR.	02A77E
05293	017380	IF NOT (VALID ID-GEAR-OF-ZERO-OR VALID ID-GEAR-OF-999)	17130000
05294	017390	IF (PROGRAM-050 AND NOT VALID ID-GEAR-FOR-PGM050)	02A784
05295	017400	OR (PROGRAM-051 AND NOT VALID ID-GEAR-FOR-PGM051)	02A7A0
05296	017410	OR (PROGRAM-055 AND NOT VALID ID-GEAR-FOR-PGM055)	02A7C8
05297	017420	OR (PROGRAM-060 AND NOT VALID ID-GEAR-FOR-PGM060)	
05298	017430	OR (PROGRAM-100 AND NOT VALID ID-GEAR-FOR-PGM100)	
05299	017440	OR (PROGRAM-105 AND NOT VALID ID-GEAR-FOR-PGM105)	
05300	017450	OR (PROGRAM-110 AND NOT VALID ID-GEAR-FOR-PGM110)	
05301	017460	OR (PROGRAM-115 AND NOT VALID ID-GEAR-FOR-PGM115)	
05302	017470	OR (PROGRAM-120 AND NOT VALID ID-GEAR-FOR-PGM120)	
05303	017480	OR (PROGRAM-125 AND NOT VALID ID-GEAR-FOR-PGM125)	
05304	017490	OR (PROGRAM-126 AND NOT VALID ID-GEAR-FOR-PGM126)	
05305	017500	OR (PROGRAM-130 AND NOT VALID ID-GEAR-FOR-PGM130)	
05306	017510	OR (PROGRAM-150 AND NOT VALID ID-GEAR-FOR-PGM150)	
05307	017520	OR (PROGRAM-160 AND NOT VALID ID-GEAR-FOR-PGM160)	
05308	017530	OR (PROGRAM-170-OR-180 AND NOT VALID ID-GEAR-FOR-PGM170-180)	
05309	017540	OR (PROGRAM-175 AND NOT VALID ID-GEAR-FOR-PGM175)	
05310	017550	OR (PROGRAM-300 AND NOT VALID ID-GEAR-FOR-PGM300)	
05311	017560	OR (PROGRAM-320 AND NOT VALID ID-GEAR-FOR-PGM320)	
05312	017570	OR (PROGRAM-330 AND NOT VALID ID-GEAR-FOR-PGM330)	
05313	017580	OR (PROGRAM-340 AND NOT VALID ID-GEAR-FOR-PGM340)	
05314	017590	OR (PROGRAM-350 AND NOT VALID ID-GEAR-FOR-PGM350)	
05315	017600	OR (PROGRAM-400 AND NOT VALID ID-GEAR-FOR-PGM400)	
05316	017610	OR (PROGRAM-410 AND NOT VALID ID-GEAR-FOR-PGM410)	
05317	017620	OR (PROGRAM-420 AND NOT VALID ID-GEAR-FOR-PGM420)	
05318	017630	OR (PROGRAM-421-OR-422 AND NOT VALID ID-GEAR-FOR-PGM421-422)	
05319	017640	OR (PROGRAM-430-OR-440 AND NOT VALID ID-GEAR-FOR-PGM430-440)	
05320	017650	OR (PROGRAM-431-OR-441 AND NOT VALID ID-GEAR-FOR-PGM431-441)	
05321	017660	OR (PROGRAM-432-OR-442 AND NOT VALID ID-GEAR-FOR-PGM432-442)	
05322	017670	OR (PROGRAM-433-OR-443 AND NOT VALID ID-GEAR-FOR-PGM433-443)	
05323	017680	OR (PROGRAM-434-OR-444 AND NOT VALID ID-GEAR-FOR-PGM434-444)	
05324	017690	OR (PROGRAM-435-OR-445 AND NOT VALID ID-GEAR-FOR-PGM435-445)	
05325	017700	OR (PROGRAM-436-OR-446 AND NOT VALID ID-GEAR-FOR-PGM436-446)	
05326	017710	OR (PROGRAM-437-OR-447 AND NOT VALID ID-GEAR-FOR-PGM437-447)	
05327	017720	OR (PROGRAM-438 AND NOT VALID ID-GEAR-FOR-PGM438)	
05328	017730	OR (PROGRAM-450 AND NOT VALID ID-GEAR-FOR-PGM450)	
05329	017740	OR (PROGRAM-460 AND NOT VALID ID-GEAR-FOR-PGM460)	
05330	017750	OR (PROGRAM-470 AND NOT VALID ID-GEAR-FOR-PGM470)	
05331	017760	OR (PROGRAM-500 AND NOT VALID ID-GEAR-FOR-PGM500)	
05332	017770	OR (PROGRAM-510 AND NOT VALID ID-GEAR-FOR-PGM510)	
05333	017780	OR (PROGRAM-530 AND NOT VALID ID-GEAR-FOR-PGM530)	
05334	017790	OR (PROGRAM-540 AND NOT VALID ID-GEAR-FOR-PGM540)	
05335	017800	OR (PROGRAM-550 AND NOT VALID ID-GEAR-FOR-PGM550)	
05336	017910	OR (PROGRAM-610 AND NOT VALID ID-GEAR-FOR-PGM610)	
05337	017920	OR (PROGRAM-615 AND NOT VALID ID-GEAR-FOR-PGM615)	
05338	017930	OR (PROGRAM-618 AND NOT VALID ID-GEAR-FOR-PGM618)	
05339	017840	OR (PROGRAM-620 AND NOT VALID ID-GEAR-FOR-PGM620)	
05340	017850	OR (PROGRAM-630 AND NOT VALID ID-GEAR-FOR-PGM630)	
05341	017960	OR (PROGRAM-650 AND NOT VALID ID-GEAR-FOR-PGM650)	
05342	017970	OR (PROGRAM-660 AND NOT VALID ID-GEAR-FOR-PGM660)	
05343	017980	OR (PROGRAM-670 AND NOT VALID ID-GEAR-FOR-PGM670)	

109	NH100	10.43.12	APR 3, 1984	HEX ADDRESS OF VERBS
05344	017897	OR (PROGRAM-680 AND NOT VALID-GEAR-FOR-PGM680)	17650000	02C054
05345	017900	OR (PROGRAM-690 AND NOT VALID-GEAR-FOR-PGM690)	17660000	02C05A
05346	017917	OR (PROGRAM-700 AND NOT VALID-GEAR-FOR-PGM700)	17670000	02C060
05347	017920	OR (PROGRAM-705 AND NOT VALID-GEAR-FOR-PGM705)	17680000	02C066
05348	017930	OR (PROGRAM-710 AND NOT VALID-GEAR-FOR-PGM710)	17690000	02C070
05349	017940	OR (PROGRAM-715 AND NOT VALID-GEAR-FOR-PGM715)	17700000	02C07A
05350	017950	OR (PROGRAM-720 AND NOT VALID-GEAR-FOR-PGM720)	17710000	02C080
05351	017960	OR (PROGRAM-725 AND NOT VALID-GEAR-FOR-PGM725)	17720000	02C08C
05352	017970	OR (PROGRAM-730 AND NOT VALID-GEAR-FOR-PGM730)	17730000	02C09C
05353	017980	OR (PROGRAM-735 AND NOT VALID-GEAR-FOR-PGM735)	17740000	02C0AE
05354	017990	OR (PROGRAM-740 AND NOT VALID-GEAR-FOR-PGM740)	17750000	02C0BE
05355	018000	OR (PROGRAM-745 AND NOT VALID-GEAR-FOR-PGM745)	17760000	02C144
05356	018010	OR (PROGRAM-750 AND NOT VALID-GEAR-FOR-PGM750)	17770000	02C152
05357	018020	OR (PROGRAM-755 AND NOT VALID-GEAR-FOR-PGM755)	17780000	02C15A
05358	018030	OR (PROGRAM-760 AND NOT VALID-GEAR-FOR-PGM760)	17790000	02C160
05359	018040	OR (PROGRAM-765 AND NOT VALID-GEAR-FOR-PGM765)	17800000	02C170
05360	018050	OR (PROGRAM-770 AND NOT VALID-GEAR-FOR-PGM770)	17810000	02C176
05361	018060	OR (PROGRAM-775 AND NOT VALID-GEAR-FOR-PGM775)	17820000	02C1E6
05362	018070	MOVE TURN-ON TO INVALID-GEAR-SW	17830000	02C20E
05363	018080	MOVE TURN-ON TO EDIT-ERROR-SW	17840000	02C216
05364	018090	MOVE PROGRAM-TYPE-R OF NH10REC TO PROG-NUMBRX	17850000	02C21C
05365	018100	MOVE ENVIR-GEAR-TYPE-R OF NH10REC TO GEAR-TYPEX	17860000	02C222
05366	018110	MOVE INVALID-GEAR-MSG TO RPT2-ERR-MSG	17870000	02C228
05367	018120	PERFORM 179-BUILD-MASTER-ERROR	17880000	02C22E
05368	018130	MOVE TURN-OFF TO INVALID-STATION-SW, STATION-FOUND-SW,	17890000	02C24A
05369	018140	END-OF-LIST-SW	17900000	02C25C
05370	018150	MOVE ENVIR-START-LOC-R OF NH10REC TO WORK-LOCATION	17910000	02C262
05371	018160	IF PROGRAM-400-TO-499 OR PROGRAM-700-TO-799 OR	17920000	02C268
05372	018170	PROGRAM-930 OR PROGRAM-600-TO-699 OR	17930000	02C280
05373	018180	ENVIR-STAT-NUMBER OF NH10REC EQUAL SPACES	17940000	02C28E
05374	018190	MOVE TURN-OFF TO INVALID-STATION-SW	17950000	
05375	018200	ELSE	17960000	
05376	018210	SEARCH ALL LOC-WITH-1-3-STATIONS	17970000	
05377	018220	AT END	17980000	
05378	018230	MOVE TURN-ON TO EDIT-ERROR-SW	17990000	
05379	018240	MOVE WORK-LOCATION-TO LOCATION-CODE	18000000	
05380	018250	MOVE ENVIR-LOC-NOT-FOUND TO RPT2-ERR-MSG	18010000	
05381	018260	PERFORM 179-BUILD-MASTER-ERROR	18020000	
05382	018270	WHEN WORK-LOCATION =	18030000	
05383	018280	LOCATION-1 (LOC-1-1X)	18040000	
05384	018290	PERFORM 143-SEARCH-FOR-STATION	18050000	
05385	018300	IF-INVALID-STATION	18060000	
05386	018310	MOVE TURN-ON TO EDIT-ERROR-SW	18070000	
05387	018320	MOVE ENVIR-STAT-NUMBER OF NH10REC TO START-NMBRX	18080000	
05388	018330	MOVE ENVIR-START-LOC OF NH10REC TO START-LOCK	18090000	
05389	018340	MOVE INVALID-STA-MSG TO RPT2-ERR-MSG	18100000	
05390	018350	PERFORM 179-BUILD-MASTER-ERROR	18110000	
05391	018360	IF-ENVIR-DURATION-OR-AREA OF NH10REC NOT NUMERIC	18120000	
05392	018370	MOVE ENVIR-DURATION-OR-AREA OF NH10REC TO DEC-CHECK-FLD	18130000	
05393	018380	MOVE ZEROS TO DEC-CNT	18140000	
05394	018390	PERFORM 142-COUNT-NUMBER-DECIMALS	18150000	
05395	018400	IF DEC-CNT GREATER THAN 1	18160000	
05396	018410	MOVE TURN-ON TO EDIT-ERROR-SW	18170000	
05397	018420		18180000	

110	NH100	10.43.12	APR 3, 1984	HEX ADDRESS OF VERBS
05398	018430	MOVE *DURATION OR AREA* TO: FLD-NAME-IN-ERR	18190000	02C294
05399	018440	MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG	18200000	02C2A4
05400	018450	PERFORM 179-BUILD-MASTER-ERROR.	18210000	02C2AA
05401	018460*	ADDED PER MEMO-7/14/83	18220000	
05402	018470	IF VALID-GEAR-OF-ZERO AND ENVR-DURATION-OR-AREA OF NH10REC	18230000	02C2C6
05403	018480	NOT EQUAL SPACES	18240000	
05404	018490	MOVE TURN-ON TO EDIT-ERROR-SW	18250000	02C2EC
05405	018503	MOVE ENVR-DURATION-OR-AREA OF NH10REC TO	18260000	02C2F2
05406	018510	ENVR-DURAT-ERR	18270000	
05407	018520	MOVE ENVR-DURATION-ERROR TO RPT2-ERR-MSG	18280000	02C2F8
05408	018530	PERFORM 179-BUILD-MASTER-ERROR.	18290000	02C2FE
05409	018540	IF ENVR-NUMBER-REPLIC OF NH10REC EQUAL ZERO AND	18300000	02C31A
05410	018550	NOT VALID-GEAR-OF-ZERO	18310000	
05411	018560	MOVE TURN-ON TO EDIT-ERROR-SW	18320000	02C340
05412	018570	MOVE ENVR-GEAR-TYPE OF NH10REC TO ENVR-NO-GEAR	18330000	02C346
05413	018580	MOVE ENVR-NON-ZERO-GEAR TO RPT2-ERR-MSG	18340000	02C34C
05414	018590	PERFORM 179-BUILD-MASTER-ERROR.	18350000	02C352
05415	018600*		18360000	
05416	018610	142-COUNT-NUMBER-DECIMALS.	18370000	
05417	018620	IF DEC-CK-1 = 1.	18380000	02C378
05418	018630	ADD 1 TO DEC-CNT.	18390000	02C380
05419	018640	IF DEC-CK-2 = 1.	18400000	02C38A
05420	018650	ADD 1 TO DEC-CNT.	18410000	02C392
05421	018660	IF DEC-CK-3 = 1.	18420000	02C39C
05422	018670	ADD 1 TO DEC-CNT.	18430000	02C3A4
05423	018680	IF DEC-CK-4 = 1.	18440000	02C3AE
05424	018690	ADD 1 TO DEC-CNT.	18450000	02C3B6
05425	018700*		18460000	
05426	018710	143-SEARCH-FOR-STATION.	18470000	
05427	018720	PERFORM 144-SEARCH-TAB-1-FOR-STATION	18480000	02C3C6
05428	018730	VARYING STA-1-IX FROM 1 BY 1	18490000	
05429	018740	UNTIL STA-1-IX GREATER THAN 3	18500000	
05430	018750	OR STATION-FOUND.	18510000	
05431	018760	IF STATION-NOT-FOUND.	18520000	02C40E
05432	018770	SEARCH ALL LOC-WITH-04-42-STATIONS	18530000	02C41A
05433	018780	WHEN WORK-LOCATION =	18540000	
05434	018790	LOCATION-2 (LOC-2-IX)	18550000	
05435	018800	PERFORM 145-FOUND-LOCATION-IN-TAB-2.	18560000	02C46E
05436	018810	IF STATION-NOT-FOUND	18570000	02C492
05437	018820	MOVE TURN-ON TO INVALID-STATION-SW.	18580000	02C49A
05438	018830*		18590000	
05439	018840	144-SEARCH-TAB-1-FOR-STATION.	18600000	
05440	018850	IF ENVR-STAT-NUMBER OF NH10REC =	18610000	02C4A6
05441	018860	STATION-1 (LOC-1-IX, STA-1-IX)	18620000	
05442	018870	MOVE TURN-ON TO STATION-FOUND-SW.	18630000	02C4C4
05443	018880*		18640000	
05444	018890	145-FOUND-LOCATION-IN-TAB-2.	18650000	
05445	018900	PERFORM 146-SEARCH-TAB-2-FOR-STATION	18660000	02C4D0
05446	018910	VARYING STA-2-IX FROM 1 BY 1	18670000	
05447	018920	UNTIL STA-2-IX GREATER THAN 39	18680000	
05448	018930	OR STATION-FOUND OR END-OF-LIST.	18690000	
05449	018940	IF STATION-NOT-FOUND	18700000	02C520
05450	018950	SEARCH ALL LOC-WITH-43-138-STATIONS	18710000	02C52C
05451	018960	WHEN WORK-LOCATION =	18720000	

HEX ADDRESS OF VERBS

111 NW100 10.43.12 APR 3,1984

05452	018970	LOCATION-3 (LOC-3-IX)	18730000	02C582
05453	018980	PERFORM 148-SEARCH-TAB-3-FOR-STATION	18740000	
05454	018990	VARYING STA-3-IX FROM 1 BY 1	18750000	
05455	019000	UNTIL STA-3-IX GREATER THAN '96	18760000	
05456	019010	OR STATION-FOUND OR END-OF-LIST.	18770000	
05457	019020	146-SEARCH-TAB-2-FOR-STATION.	18780000	02C5E4
05458	019030	IF ENVIR-STAT-NUMBER OF NMLIOREC =	18790000	
05459	019040	STATION-2 (LOC-2-IX, STA-2-IX)	18800000	
05460	019050	MOVE TURN-ON TO STATION-FOUND-SW.	18810000	02C606
05461	019060	IF STATION-2 (LOC-2-IX, STA-2-IX) = SPACES	18820000	02C60C
05462	019070	MOVE TURN-ON TO END-OF-LIST-SW.	18830000	02C636
05463	019080	148-SEARCH-TAB-3-FOR-STATION.	18840000	
05464	019090	IF ENVIR-STAT-NUMBER OF NMLIOREC =	18850000	02C642
05465	019100	STATION-3 (LOC-3-IX, STA-3-IX)	18860000	
05466	019110	MOVE TURN-ON TO STATION-FOUND-SW.	18870000	02C664
05467	019120	IF STATION-3 (LOC-3-IX, STA-3-IX) = SPACES	18880000	02C66A
05468	019130	MOVE TURN-ON TO END-OF-LIST-SW.	18890000	02C694
05469	019140*		18900000	
05470	019150	149-EDIT-REPLIC-REG.	18910000	
05471	019160	MOVE RP-SAMPLE-SIZE OF NMLIOREC TO CONVERT-FIELD.	18920000	02C6A0
05472	019170	TEST-FIELD.	18930000	
05473	019180	PERFORM 150A-EDIT-EXPLICIT-DECIMAL.	18940000	02C6AC
05474	019190	MOVE CONVERTED-DECIMAL-12 TO RP-SAMPLE-SIZE-CNVRT.	18950000	02C6C4
05475	019200	MOVE RP-COLLECT-SIZE OF NMLIOREC TO CONVERT-FIELD.	18960000	02C6CE
05476	019210	TEST-FIELD.	18970000	
05477	019220	PERFORM 150A-EDIT-EXPLICIT-DECIMAL.	18980000	02C6DA
05478	019230	MOVE CONVERTED-DECIMAL-12 TO RP-COLLECT-SIZE-CNVRT.	18990000	02C6F6
05479	019240	IF RP-SAMPLE-SIZE-CNVRT NOT NUMERIC	19000000	02C700
05480	019250	MOVE TURN-ON TO EDIT-ERROR-SW	19010000	02C712
05481	019260	MOVE 'SAMPLE SIZE ' TO FLD-NAME-IN-ERR	19020000	02C718
05482	019270	MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG	19030000	02C728
05483	019280	PERFORM 179-BUILD-MASTER-ERROR.	19040000	02C72E
05484	019290	IF RP-COLLECT-SIZE-CNVRT NOT NUMERIC	19050000	02C74A
05485	019300	MOVE TURN-ON TO EDIT-ERROR-SW	19060000	02C75C
05486	019310	MOVE 'COLLECT SIZE ' TO FLD-NAME-IN-ERR	19070000	02C762
05487	019320	MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG	19080000	02C772
05488	019330	PERFORM 179-BUILD-MASTER-ERROR.	19090000	02C778
05489	019340	IF RP-SAMPLE-SIZE-CNVRT NUMERIC AND	19100000	02C794
05490	019350	RP-SAMPLE-SIZE-CNVRT LESS 999999.999999 AND	19110000	
05491	019360	RP-COLLECT-SIZE-CNVRT NUMERIC AND	19120000	
05492	019370	RP-COLLECT-SIZE-CNVRT LESS 999999.999999 AND	19130000	
05493	019380	RP-SAMPLE-SIZE-CNVRT GREATER THAN RP-COLLECT-SIZE-CNVRT	19140000	
05494	019390	MOVE TURN-ON TO EDIT-ERROR-SW	19150000	02C7EA
05495	019400	MOVE RP-SAMPLE-SIZE-CNVRT TO SAMPLE-SIZ	19160000	02C7F0
05496	019410	MOVE RP-COLLECT-SIZE-CNVRT TO COLLECT-SIZ	19170000	02C814
05497	019420	MOVE SAMPLE-EXCEEDS-COLLECTION TO RPT2-ERR-MSG	19180000	02C838
05498	019430	PERFORM 179-BUILD-MASTER-ERROR.	19190000	02C83E
05499	019440*		19200000	
05500	019450	150A-EDIT-EXPLICIT-DECIMAL.	19210000	
05501	019460	EXAMINE TEST-FIELD REPLACING ALL '.' BY '0'.	19220000	02C864
05502	019470	IF TEST-FIELD NOT NUMERIC	19230000	02C886
05503	019480	MOVE SPACES TO TARGET-AREA	19240000	02C894
05504	019490	MOVE HOLD-CONVERSION TO CONVERTED-DECIMAL-12	19250000	02C89E
05505	019500	ELSE	19260000	

112	NW100	10.43.12	APR 3, 1984	HEX ADDRESS OF VERBS
05506	019510	PERFORM 1508-EDIT-EXPLICIT-DECIMAL.	19270000	02C8AC
05507	019520*		19280000	
05508	019530	PERFORM 1508-EDIT-EXPLICIT-DECIMAL.	19290000	02C8CE
05509	019540	MOVE ZEROS TO NUMBER-OF-FIELDS, HOLD-CONVERSION.	19300000	02C8D8
05510	019550	IF CONVERT-FIELD EQUAL '999999'	19310000	02C8E2
05511	019560	MOVE '999999' TO NUMBER-UNITS, NUMBER-DECIMAL	19320000	
05512	019570	ELSE	19330000	02C8F2
05513	019580	UNSTRING CONVERT-FIELD DELIMITED BY '*'	19340000	
05514	019590	INTO NUMBER-UNITS COUNT IN COUNT-UNITS	19350000	
05515	019600	NUMBER-DECIMAL COUNT IN COUNT-DECIMAL	19360000	
05516	019610	TALLYING IN NUMBER-OF-FIELDS.	19370000	
05517	019620	EXAMINE TARGET-AREA REPLACING ALL '*' BY '0'.	19380000	02C90E
05518	019630	MOVE HOLD-CONVERSION TO CONVERTED-DECIMAL-12.	19390000	02C934
05519	019640*	DISPLAY ' ' SEQUENCE-NUMBER OF NM10REC	19400000	
05520	019650*	' ' CONVERT-FIELD ' ' HOLD-CONVERSION ' '	19410000	
05521	019660*	CONVERTED-DECIMAL-12.	19420000	
05522	019670*		19430000	
05523	019680	151-EDIT-SPECIES-REC.	19440000	02C944
05524	019690	IF SPE-SUBSAMPLE-CNT-R OF NM10REC NOT NUMERIC	19450000	02C952
05525	019700	MOVE TURN-ON TO EDIT-ERROR-SW	19460000	02C958
05526	019710	MOVE 'SUBSAMPLE COUNT' TO FLD-NAME-IN-ERR	19470000	02C968
05527	019720	MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG	19480000	02C96E
05528	019730	PERFORM 179-BUILD-MASTER-ERROR.	19490000	02C98A
05529	019740	IF SPE-SAMPLE-CNT-R OF NM10REC NOT NUMERIC	19500000	02C99C
05530	019750	MOVE TURN-ON TO EDIT-ERROR-SW	19510000	02C9A2
05531	019760	MOVE 'SAMPLE COUNT' TO FLD-NAME-IN-ERR	19520000	02C9B2
05532	019770	MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG	19530000	02C9B8
05533	019780	PERFORM 179-BUILD-MASTER-ERROR.	19540000	02C9D4
05534	019790	IF SPE-SUBSAMPLE-CNT-R OF NM10REC NUMERIC	19550000	
05535	019800	AND SPE-SAMPLE-CNT-R OF NM10REC NUMERIC	19560000	
05536	019810	AND SPE-SUBSAMPLE-CNT-R OF NM10REC	19570000	
05537	019820	GREATER THAN SPE-SAMPLE-CNT-R OF NM10REC	19580000	02CA0A
05538	019830	MOVE TURN-ON TO EDIT-ERROR-SW	19590000	02CA10
05539	019840	MOVE SPE-SAMPLE-CNT-R OF NM10REC TO	19600000	
05540	019850	SPE-SAMPLE-NMBRX	19610000	02CA1A
05541	019860	MOVE SPE-SUBSAMPLE-CNT-R OF NM10REC TO	19620000	
05542	019870	SPE-SAMPLE-NMBRX	19630000	02CA24
05543	019880	MOVE SUB-SIZE-EXCEEDS-SAMPLE TO RPT2-ERR-MSG	19640000	02CA2A
05544	019890	PERFORM 179-BUILD-MASTER-ERROR.	19650000	02CA46
05545	019900	IF SPE-TOTAL-CNT-R OF NM10REC NOT NUMERIC	19660000	02CA58
05546	019910	MOVE TURN-ON TO EDIT-ERROR-SW	19670000	02CA5E
05547	019920	MOVE 'TOTAL COUNT' TO FLD-NAME-IN-ERR	19680000	02CA6E
05548	019930	MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG	19690000	02CA74
05549	019940	PERFORM 179-BUILD-MASTER-ERROR.	19700000	02CA90
05550	019950	IF SPE-SAMPLE-CNT-R OF NM10REC NUMERIC	19710000	
05551	019960	AND SPE-TOTAL-CNT-R OF NM10REC NUMERIC	19720000	
05552	019970	AND SPE-SAMPLE-CNT-R OF NM10REC	19730000	02CAC6
05553	019980	GREATER THAN SPE-TOTAL-CNT-R OF NM10REC	19740000	02CACC
05554	019990	MOVE TURN-ON TO EDIT-ERROR-SW	19750000	
05555	020000	MOVE SPE-SAMPLE-CNT-R OF NM10REC TO	19760000	
05556	020010	SPE-SAMPLE-NMBRX	19770000	02CAD6
05557	020020	MOVE SPE-TOTAL-CNT-R OF NM10REC TO	19780000	
05558	020030	SPE-TOTAL-NMBRX	19790000	02CAE0
05559	020040	MOVE SAMPLE-SIZE-EXC-COLLECTION TO RPT2-ERR-MSG	19800000	

113	10.43.12	APR 3, 1984	HEX ADDRESS OF VERBS
05560	020050	PERFORM 179-BUILD-MASTER-ERROR.	19810000
05561	020060	THIS EDIT REMOVED 5/12/82 PER S. EPPERLY, EDITED AT D.N.F.	19820000
05562	020070	SPE-SUBSAMPLE-WGT-R-OF NMILOREC NOT-NUMERIC.	19830000
05563	020080	MOVE TURN-ON TO EDIT-ERROR-SW	19840000
05564	020090	MOVE *SUBSAMPLE WEIGHT* TO FLD-NAME-IN-ERR	19850000
05565	020100	MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG	19860000
05566	020110	PERFORM 179-BUILD-MASTER-ERROR.	19870000
05567	020120	NOTE MAYBE .9999 (VALID WITH DECIMAL KEYED)	19880000
05568	020130	MOVE SPE-SAMPLE-WGT OF NMILOREC TO CONVERT-FIELD.	19890000
05569	020140	TEST-FIELD.	19900000
05570	020150	PERFORM 150A-EDIT-EXPLICIT-DECIMAL.	19910000
05571	020160	MOVE CONVERTED-DECIMAL-12 TO SPE-SAMPLE-WGT-CNVRT.	19920000
05572	020170	IF SPE-SAMPLE-WGT-CNVRT NOT-NUMERIC	19930000
05573	020180	MOVE TURN-ON TO EDIT-ERROR-SW	19940000
05574	020190	MOVE *SAMPLE WEIGHT* TO FLD-NAME-IN-ERR	19950000
05575	020200	MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG	19960000
05576	020210	PERFORM 179-BUILD-MASTER-ERROR.	19970000
05577	020220	NOTE MAYBE .9999 (VALID WITH DECIMAL KEYED)	19980000
05578	020230	MOVE SPE-SAMPLE-WGT OF NMILOREC TO CONVERT-FIELD.	19990000
05579	020240	TEST-FIELD.	20000000
05580	020250	PERFORM 150A-EDIT-EXPLICIT-DECIMAL.	20010000
05581	020260	MOVE CONVERTED-DECIMAL-12 TO SPE-SAMPLE-WGT-CNVRT.	20020000
05582	020270	IF SPE-SAMPLE-WGT-CNVRT NOT-NUMERIC	20030000
05583	020280	MOVE TURN-ON TO EDIT-ERROR-SW	20040000
05584	020290	MOVE *SUBSAMPLE WGT* TO FLD-NAME-IN-ERR	20050000
05585	020300	MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG	20060000
05586	020310	PERFORM 179-BUILD-MASTER-ERROR.	20070000
05587	020320	NOTE MAYBE .9999 (VALID WITH DECIMAL KEYED)	20080000
05588	020330	MOVE SPE-TOTAL-WGT OF NMILOREC TO CONVERT-FIELD.	20090000
05589	020340	TEST-FIELD.	20100000
05590	020350	PERFORM 150A-EDIT-EXPLICIT-DECIMAL.	20110000
05591	020360	MOVE CONVERTED-DECIMAL-12 TO SPE-TOTAL-WGT-CNVRT.	20120000
05592	020370	IF SPE-TOTAL-WGT-CNVRT NOT-NUMERIC	20130000
05593	020380	MOVE TURN-ON TO EDIT-ERROR-SW	20140000
05594	020390	MOVE *TOTAL WEIGHT* TO FLD-NAME-IN-ERR	20150000
05595	020400	MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG	20160000
05596	020410	PERFORM 179-BUILD-MASTER-ERROR.	20170000
05597	020420	NOTE MAYBE .9999 (VALID WITH DECIMAL KEYED)	20180000
05598	020430	MOVE SPE-SAMPLE-WGT-CNVRT NUMERIC AND	20190000
05599	020440	SPE-SUBSAMPLE-WGT-CNVRT LESS 999999.999999	20200000
05600	020450	AND SPE-SAMPLE-WGT-CNVRT NUMERIC	20210000
05601	020460	AND SPE-SAMPLE-WGT-CNVRT LESS 999999.999999	20220000
05602	020470	GREATER THAN SPE-SAMPLE-WGT-CNVRT	20230000
05603	020480	MOVE TURN-ON TO EDIT-ERROR-SW	20240000
05604	020490	MOVE SPE-SUBSAMPLE-WGT-CNVRT TO SPE-SUR-WGHTX	20250000
05605	020500	MOVE SPE-SAMPLE-WGT-CNVRT TO SPE-SAMP-WGHTX	20260000
05606	020510	MOVE SUB-WGT-EXCEEDS-SAMPLE TO RPT2-ERR-MSG	20270000
05607	020520	PERFORM 179-BUILD-MASTER-ERROR.	20280000
05608	020530	NOTE MAYBE .9999 (VALID WITH DECIMAL KEYED)	20290000
05609	020540	MOVE SPE-SAMPLE-WGT-CNVRT NUMERIC AND	20300000
05610	020550	SPE-SAMPLE-WGT-CNVRT LESS 999999.999999	20310000
05611	020560	AND SPE-TOTAL-WGT-CNVRT NUMERIC	20320000
05612	020570	AND SPE-TOTAL-WGT-CNVRT LESS 999999.999999	20330000
05613	020580	GREATER THAN SPE-TOTAL-WGT-CNVRT	20340000

HEX ADDRESS OF VERBS

10.43.12 APR 3.1984

114 NM100

05614	020590	MOVE TURN-ON TO EDIT-ERROR-SW	20350000	02C092
05615	020600	MOVE SPE-SAMPLE-WGT-CNVRT TO SPE-SAMPLE-WGHTX	20360000	02C098
05616	020610	MOVE SPE-TOTAL-WGT-CNVRT TO SPE-TOTL-WGHTX	20370000	02C08C
05617	020620	MOVE SPE-SAMPLE-WGT-EXCEEDS-TOTAL TO RPT2-ERR-MSG	20380000	02C0E0
05618	020630	PERFORM 179-BUILD-MASTER-ERROR.	20390000	02C0E6
05619	020640	MOVE ZEROS TO WORK-CNT.	20400000	02C0E2
05620	020650	*****	20410000	
05621	020660	DEBUG 4/83 LRL	20420000	
05622	020670	IF SEQUENCE-NUMBER OF NM10REC EQUAL '8299999' AND	20430000	
05623	020680	SPECIES-GROUP OF NM10REC EQUAL '88354407011'	20440000	
05624	020690	DISPLAY 'DEBUG-5' SPE-TAG-TYPE1 OF NM10REC	20450000	
05625	020700	SPE-NBR-TAGGED1 OF NM10REC ' SPE-TAG-TYPE2 OF NM10REC	20460000	
05626	020710	' SPE-NBR-TAGGED2 OF NM10REC.	20470000	
05627	020720	*****	20480000	
05628	020730	IF SPE-TAG-TYPE1 OF NM10REC = SPACES	20490000	02CE08
05629	020740	IF SPE-NBR-TAGGED1 OF NM10REC = SPACES	20500000	02CE14
05630	020750	NEXT SENTENCE	20510000	
05631	020760	ELSE	20520000	
05632	020770	MOVE TURN-ON TO EDIT-ERROR-SW	20530000	02CE2A
05633	020780	MOVE TAG-TYPE-NBR-ERR TO RPT2-ERR-MSG	20540000	02CE30
05634	020790	PERFORM 179-BUILD-MASTER-ERROR	20550000	02CE36
05635	020800	ELSE	20560000	
05636	020810	IF SPE-NBR-TAGGED1 OF NM10REC IS NUMERIC	20570000	02CE5A
05637	020820	ADD SPE-NBR-TAGGED1-R OF NM10REC TO WORK-CNT	20580000	02CE68
05638	020830	ELSE	20590000	
05639	020840	MOVE TURN-ON TO EDIT-ERROR-SW	20600000	02CE7C
05640	020850	MOVE TAG-TYPE-NBR-ERR TO RPT2-ERR-MSG	20610000	02CE82
05641	020860	PERFORM 179-BUILD-MASTER-ERROR.	20620000	02CE88
05642	020870	IF SPE-TAG-TYPE2 OF NM10REC = SPACES	20630000	02CEA4
05643	020880	IF SPE-NBR-TAGGED2 OF NM10REC = SPACES	20640000	02CEB0
05644	020890	NEXT SENTENCE	20650000	
05645	020900	ELSE	20660000	
05646	020910	MOVE TURN-ON TO EDIT-ERROR-SW	20670000	02CEC6
05647	020920	MOVE TAG-TYPE-NBR-ERR TO RPT2-ERR-MSG	20680000	02CECC
05648	020930	PERFORM 179-BUILD-MASTER-ERROR	20690000	02CED2
05649	020940	ELSE	20700000	
05650	020950	IF SPE-NBR-TAGGED2 OF NM10REC IS NUMERIC	20710000	02CEF6
05651	020960	ADD SPE-NBR-TAGGED2-R OF NM10REC TO WORK-CNT	20720000	02CF04
05652	020970	ELSE	20730000	
05653	020980	MOVE TURN-ON TO EDIT-ERROR-SW	20740000	02CF18
05654	020990	MOVE TAG-TYPE-NBR-ERR TO RPT2-ERR-MSG	20750000	02CF1E
05655	021000	PERFORM 179-BUILD-MASTER-ERROR.	20760000	02CF24
05656	021010	*****	20770000	
05657	021020	DEBUG 4/83 LRL	20780000	
05658	021030	IF SEQUENCE-NUMBER OF NM10REC EQUAL '8299999' AND	20790000	
05659	021040	SPECIES-GROUP OF NM10REC EQUAL '88354407011'	20800000	
05660	021050	DISPLAY 'DEBUG-10' WORK-CNT	20810000	
05661	021060	*****	20820000	
05662	021070	IF WORK-CNT GREATER THAN ZERO	20830000	02CF40
05663	021080	AND WORK-CNT GREATER THAN SPE-SAMPLE-CNT-R OF NM10REC	20840000	
05664	021090	MOVE TURN-ON TO EDIT-ERROR-SW	20850000	02CF5E
05665	021100	MOVE NBR-TAGGED-ERR TO RPT2-ERR-MSG	20860000	02CF64
05666	021110	PERFORM 179-BUILD-MASTER-ERROR.	20870000	02CF6A
05667	021120	*****	20880000	

115	10.43.12	APR 3, 1984	HEX ADDRESS OF VERBS
05668	021130	EDIT-ADDED-2/84-BY-EFF	20820000
05669	021140	IF SPE-INDIV-FORMAT-CODE OF NMLIOREC = '5'	20830000
05670	021150	AND REPLICATE-NUMBER OF NMLIOREC NOT = '00'	20840000
05671	021160	MOVE TURN-ON TO EDIT-ERROR-SW	20850000
05672	021170	MOVE FORM-OF-RECORD-TYPE-IV-ERR TO RPT2-ERR-MSG	20860000
05673	021180	PERFORM 179-BUILD-MASTER-ERROR.	20870000
05674	021190	END-OF ADDITION-EFF	20880000
05675	021200		20890000
05676	021210	153-EDIT-INDIV-REC.	20890000
05677	021220	*****	20900000
05678	021230	DEBUG 3/83 LRL	20910000
05679	021240	IF SEQUENCE-NUMBER OF NMLIOREC EQUAL '7499999' AND	20920000
05680	021250	SPECIES-CODE OF NMLIOREC EQUAL '8747010105' AND	20930000
05681	021260	LINE-NUMBER OF NMLIOREC EQUAL '008'	20940000
05682	021270	DISPLAY 'DERUG-1' INDIV-AGE-STATUS OF NMLIOREC	20950000
05683	021280	INDIV-AGE-STRUCTURE OF NMLIOREC	20960000
05684	021290	INDIV-AGE OF NMLIOREC	20970000
05685	021300	INDIV-SPAWN-MARK-CNT OF NMLIOREC.	20980000
05686	021310	*****	20990000
05687	021320	IF INDIV-AGE-R OF NMLIOREC NUMERIC	21000000
05688	021330	AND INDIV-SPAWN-MARK-CNT-R OF NMLIOREC NUMERIC	21010000
05689	021340	AND INDIV-AGE-R OF NMLIOREC LESS THAN	21020000
05690	021350	INDIV-SPAWN-MARK-CNT-R OF NMLIOREC	21030000
05691	021360	MOVE TURN-ON TO EDIT-ERROR-SW	21040000
05692	021370	MOVE AGE-LT-SPAWN-MARK TO RPT2-ERR-MSG	21050000
05693	021380	PERFORM 179-BUILD-MASTER-ERROR.	21060000
05694	021390	*****	21070000
05695	021400	ADDED 11/82 PER MEMO 11/9/82	21080000
05696	021410	IF (INDIV-AGE-STATUS OF NMLIOREC EQUAL '0' OR	21090000
05697	021420	AND (INDIV-AGE-STRUCTURE OF NMLIOREC NOT EQUAL '0' OR	21100000
05698	021430	INDIV-AGE OF NMLIOREC NOT EQUAL '0' OR	21110000
05699	021440	INDIV-SPAWN-MARK-CNT OF NMLIOREC NOT EQUAL '0')	21120000
05700	021450	MOVE TURN-ON TO EDIT-ERROR-SW	21130000
05701	021460	PERFORM 179-BUILD-MASTER-ERROR.	21140000
05702	021470	IF (INDIV-AGE-STATUS OF NMLIOREC EQUAL '0' AND	21150000
05703	021480	AND (INDIV-AGE-STRUCTURE OF NMLIOREC NOT EQUAL '0' AND	21160000
05704	021490	INDIV-AGE OF NMLIOREC NOT EQUAL '0') OR	21170000
05705	021500	INDIV-SPAWN-MARK-CNT OF NMLIOREC NOT EQUAL '0')	21180000
05706	021510	INDIV-AGE-STATUS OF NMLIOREC NOT EQUAL '0')	21190000
05707	021520	INDIV-AGE-STRUCTURE OF NMLIOREC NOT EQUAL '0')	21200000
05708	021530	INDIV-SPAWN-MARK-CNT OF NMLIOREC NOT EQUAL '0')	21210000
05709	021540	MOVE TURN-ON TO EDIT-ERROR-SW	21220000
05710	021550	PERFORM 179-BUILD-MASTER-ERROR.	21230000
05711	021560	IF (INDIV-AGE-STATUS OF NMLIOREC NOT EQUAL '0' OR	21240000
05712	021570	AND (INDIV-AGE-STRUCTURE OF NMLIOREC NOT EQUAL '0')	21250000
05713	021580	INDIV-SPAWN-MARK-CNT OF NMLIOREC NOT EQUAL '0')	21260000
05714	021590	AND (INDIV-AGE-STATUS OF NMLIOREC LESS '1')	21270000
05715	021600	INDIV-AGE-STRUCTURE OF NMLIOREC LESS '1')	21280000
05716	021610	MOVE TURN-ON TO EDIT-ERROR-SW	21290000
05717	021620	PERFORM 179-BUILD-MASTER-ERROR.	21300000
05718	021630	IF (INDIV-AGE-STATUS OF NMLIOREC NOT EQUAL '0' AND	21310000
05719	021640	INDIV-AGE-R OF NMLIOREC NOT NUMERIC	21320000
05720	021650	MOVE TURN-ON TO EDIT-ERROR-SW	21330000
05721	021660		21340000

116	WM100	10.43.12	APR 3, 1984	HEX ADDRESS OF VERBS
05722	021670	MOVE INDIV-AGE-STAT-ERR2 TO RPT2-ERR-MSG		21350000
05723	021680	PERFORM 179-BUILD-MASTER-ERROR.		21360000
05724	021690	IF INDIV-AGE-STATUS OF NM100REC EQUAL *2*		21370000
05725	021700	PERFORM 249-SAVE-AGE-STATUS		21390000
05726	021710	MOVE NM100REC TO SAVE-INDIV		21390000
05727	021720	IF INDIV-AGE OF NM100REC NOT NUMERIC		21400000
05728	021730	MOVE TURN-ON TO EDIT-ERROR-SW		21410000
05729	021740	MOVE INDIV-AGE-STAT-ERR3 TO RPT2-ERR-MSG		21420000
05730	021750	PERFORM 179-BUILD-MASTER-ERROR.		21430000
05731	021760	IF INDIV-AGE-STATUS OF NM100REC EQUAL *3* AND		21440000
05732	021770	(INDIV-AGE OF NM100REC NOT EQUAL SPACES OR		21450000
05733	021780	INDIV-SPAWN-MARK-CNT OF NM100REC NOT EQUAL SPACES)		21460000
05734	021790	MOVE TURN-ON TO EDIT-ERROR-SW		21470000
05735	021800	MOVE INDIV-AGE-STAT-ERR4 TO RPT2-ERR-MSG		21480000
05736	021810	PERFORM 179-BUILD-MASTER-ERROR.		21490000
05737	021820	IF INDIV-TAG-NMNR-ALPHA8 NOT ALPHABETIC OR		21500000
05738	021830	INDIV-TAG-NMNR-DIGIT NOT NUMERIC AND		21510000
05739	021840	INDIV-TAG-NMNR OF NM100REC NOT EQUAL SPACES		21520000
05740	021850	MOVE TURN-ON TO EDIT-ERROR-SW		21530000
05741	021860	MOVE INDIV-TAG-NMNR OF NM100REC TO TAG-NMNR-ERROR		21540000
05742	021870	MOVE TAG-NMNR-ERROR TO RPT2-ERR-MSG		21550000
05743	021880	PERFORM 179-BUILD-MASTER-ERROR.		21560000
05744	021890*			20880000
05745	021900*	EDIT ADDED 2/84 BY EFF		20820000
05746	021910	IF (INDIV-TAG-NMNR OF NM100REC NOT - SPACES)		20830000
05747	021920	AND (INDIV-STATUS OF NM100REC GREATER THAN 3		20840000
05748	021930	OR LESS THAN 1)		20840000
05749	021940	MOVE TURN-ON TO EDIT-ERROR-SW		20850000
05750	021950	MOVE STATUS-NMNR-ERR TO RPT2-ERR-MSG		20860000
05751	021960	PERFORM 179-BUILD-MASTER-ERROR.		20870000
05752	021970*	END-OF-ADDITION EFF		20880000
05753	021980*			20880000
05754	021990*			21570000
05755	022000*			21580000
05756	022010	155-EDIT-ANNUUS-REC.		21590000
05757	022020	MOVE 1 TO WK-SUB.		21600000
05758	022030	PERFORM 156-FIND-LAST-DIST-TO-ANL		21610000
05759	022040	UNTIL ANL-DIST OF NM100REC (WK-SUB) NOT NUMERIC		21620000
05760	022050	OR ANL-DIST OF NM100REC (WK-SUB) EQUAL ZEROS.		21630000
05761	022060	IF WK-SUB NOT EQUAL 1		21640000
05762	022070	COMPUTE WK-SUB = WK-SUB - 1.		21650000
05763	022080*			21660000
05764	022090*	DEBUG 3/83 LRL		21670000
05765	022100*	IF SEQUENCE-NUMBER OF NM100REC EQUAL *7499999* AND		21680000
05766	022110*	SPECIES-CODE OF NM100REC EQUAL *8747010105* AND		21690000
05767	022120*	LINE-NUMBER-OF-NM100REC EQUAL *013*		21700000
05768	022130*	DISPLAY *DEBUG-2* ANL-MARGIN-INCR OF NM100REC		21710000
05769	022140*	ANL-DIST OF NM100REC (WK-SUB) *		21720000
05770	022150*	ANL-LTH-TO-EDGE OF NM100REC *		21730000
05771	022160*	WK-SUB *		21740000
05772	022170*			21750000
05773	022180*	ADDED PER-MEMO 2/25/83 FROM EPPERLY BY LRL		21760000
05774	022190	IF ANL-MARGIN-INCR-R OF NM100REC NOT NUMERIC		21770000
05775	022200	IF ANL-DIST OF NM100REC (WK-SUB) NUMERIC		21780000
05776	022210			02037A
05777	022220			02038B

117	MM100	10.43.12	APR 3, 1984	HEX ADDRESS OF VERBS
05776	022210	IF ANL-DIST OF NM10REC (WK-SUB) NOT GREATER		21790000
05777	022220	ANL-LTH-TO-EDGE-R OF NM10REC		21800000
05778	022230	COMPUTE ANL-MARGIN-INC-R OF NM10REC =		0203C6
05779	022240	ANL-LTH-TO-EDGE-R OF NM10REC - ANL-DIST		21810000
05780	022250	OF NM10REC (WK-SUB)		21830000
05781	022260	ELSE		21840000
05782	022270*	ADDED 4/83 LBL TO CORRECT OMISSION OF TEST		21850000
05783	022280	MOVE TURN-ON TO EDIT-ERROR-SW		0203E6
05784	022290	MOVE LNTH-LAST-ANL-INC-RS TO RPT2-ERR-MSG		0203EC
05785	022300	PERFORM 179-BUILD-MASTER-ERROR		0203F2
05786	022310	MOVE ZEROS TO ANL-MARGIN-INC-R OF NM10REC		02040E
05787	022320	ELSE		21900000
05788	022330	MOVE ANL-LTH-TO-EDGE OF NM10REC TO		02041C
05789	022340	ANL-MARGIN-INC-R OF NM10REC.		21920000
05790	022350*	ELSE		21930000
05791	022360	IF ANL-DIST OF NM10REC (WK-SUB) NUMERIC AND		020422
05792	022370	ANL-DIST OF NM10REC (WK-SUB) NOT EQUAL ZERO		21940000
05793	022380	COMPUTE COMP-LEN = ANL-MARGIN-INC-R OF NM10REC +		02045A
05794	022390	ANL-DIST OF NM10REC (WK-SUB)		21970000
05795	022400	ELSE		21980000
05796	022410	MOVE ANL-MARGIN-INC-R OF NM10REC TO COMP-LEN.		02047A
05797	022420	IF COMP-LEN NOT = ANL-LTH-TO-EDGE-R OF NM10REC		020484
05798	022430	MOVE TURN-ON TO EDIT-ERROR-SW		02049A
05799	022440	MOVE ANL-LTH-TO-EDGE-ERR TO RPT2-ERR-MSG		0204A0
05800	022450	PERFORM 179-BUILD-MASTER-ERROR.		0204A6
05801	022460	MOVE TURN-OFF TO DECREASE-SW, MISSING-DISTANCE-SW.		0204C2
05802	022470	MOVE WK-SUB TO WK-SUB-2.		0204CE
05803	022480	SUBTRACT 1 FROM WK-SUB-2.		0204D8
05804	022490*	WK-SUB HAS INDEX OF LAST NUMERIC DIST TO ANL		22070000
05805	022500*	WK-SUB2 IS ONE LESS THAN WK-SUB		22080000
05806	022510*	MOVE 1 TO WORK-CNT.		22090000
05807	022520*	IF WK-SUB-2 GREATER ZERO.		22100000
05808	022530	PERFORM 157-TEST-DISTANCE-INCREASE		22110000
05809	022540	VARYING WK-SUB FROM WK-SUB BY MINUS-1		22120000
05810	022550	UNTIL WK-SUB LESS THAN 2.		22130000
05811	022560	THE FOLLOWING CODE CHECKS THE ONLY DISTANCE *		22140000
05812	022570*	NOT COVERED IN THE ABOVE LOOP - 1ST DIST.		22150000
05813	022580*	IF ANL-DIST OF NM10REC (1) NUMERIC AND		22160000
05814	022590*	ANL-DIST OF NM10REC (1) = ZEROS		22170000
05815	022600*	MOVE TURN-ON TO MISSING-DISTANCE-SW.		22180000
05816	022610*	IF ANL-AGE-R OF NM10REC EQUAL ZEROS AND		22190000
05817	022620	ANL-LTH-TO-EDGE OF NM10REC NOT EQUAL ANL-MARGIN-INC-R		02054A
05818	022630	OF NM10REC		22210000
05819	022640	MOVE TURN-ON TO EDIT-ERROR-SW		02056C
05820	022650	MOVE NONEQUAL-LTH-AND-MARGIN TO RPT2-ERR-MSG		020572
05821	022660	PERFORM 179-BUILD-MASTER-ERROR.		22240000
05822	022670	IF NO-DECREASE		22250000
05823	022680	MOVE TURN-ON TO EDIT-ERROR-SW		02058C
05824	022690	MOVE NONEQUAL-LTH-AND-MARGIN TO RPT2-ERR-MSG		020592
05825	022700	PERFORM 179-BUILD-MASTER-ERROR.		020598
05826	022710	IF NO-DECREASE		020584
05827	022720	MOVE TURN-ON TO EDIT-ERROR-SW		0205C0
05828	022730	MOVE ANL-DIST-ERR-MSG TO RPT2-ERR-MSG		0205C6
05829	022740	PERFORM 179-BUILD-MASTER-ERROR.		0205CC

HEX ADDRESS OF VERBS

11R NM100

10.43.12

APR 3, 1984

Line	Address	Verb	Hex Address
05830	022750	IF WORK-CNT GREATER THAN ANL-AGE-R OF NM100REC AND	02D5E8
05831	022760	ANL-AGE-R OF NM100REC GREATER ZERO	22330000
05832	022770	MOVE TURN-ON TO EDIT-ERROR-SW	22340000
05833	022780	MOVE NDR-ANL-DIST-AGE TO RPT2-ERR-MSG	02D60C
05834	022790	PERFORM 179-BUILD-MASTER-ERROR.	02D612
05835	022800	*****	02D618
05836	022810	DEBUC-CHECK 1/83 LRL	
05837	022820	IF SEQUENCE-NUMBER OF NM100REC EQUAL '7900989' DR	
05838	022830	IF SEQUENCE-NUMBER OF NM100REC EQUAL '7900990' DR	
05839	022840	DISPLAY 'DEBUC-A' SPECIES-GROUP OF NM100REC	
05840	022850	LAST-SPECIES-GROUP 'SAVE-INDIV-AGE-STATUS'	
05841	022860	*****	
05842	022870	CHANGE FIRST PART OF IF TEST - ASSUMPTION THAT ONLY ONE ANNU	
05843	022880	RECORD PER INDIVIDUAL IN FILE	
05844	022890	IF SAVE-INDIV-AGE-STATUS EQUAL '2'	
05845	022900	MOVE SPACES TO SAVE-INDIV-AGE-STATUS	02D634
05846	022910	ELSE	02D640
05847	022920	MOVE TURN-ON TO EDIT-ERROR-SW	
05848	022930	MOVE IND-AGE-STAT-FRR TO RPT2-ERR-MSG	02D648
05849	022940	PERFORM 179-BUILD-MASTER-ERROR.	02D64E
05850	022950	ADDED 5/83 PER DISCUSSION WITH EPPERLY BY LRL	02D654
05851	022960	IF SAVE-INDIV-AGE-R NUMERIC AND ANL-AGE-R OF NM100REC NUMERIC	
05852	022970	IF SAVE-INDIV-AGE-R NOT EQUAL ANL-AGE-R OF NM100REC	02D670
05853	022980	MOVE TURN-ON TO EDIT-ERROR-SW	02D690
05854	022990	MOVE AGE-CONFLICT TO RPT2-ERR-MSG	02D6A6
05855	023000	PERFORM 179-BUILD-MASTER-ERROR.	02D6AC
05856	023010	*****	02D6B2
05857	023020	DEBUC 10/83 LRL	
05858	023030	IF SEQUENCE-NUMBER OF NM100REC EQUAL 8299995	
05859	023040	DISPLAY 'DEBUC-Y' SAVE-INDIV-SPAWN-MARK	
05860	023050	NUM-OF-SPAWN-MARKS OF NM100REC 'SAVE-INDIV-LINE	
05861	023060	'LINE-NUMBER OF NM100REC	
05862	023070	*****	
05863	023080	ADDED-PER MEMO 7/14/83 10	
05864	023090	IF SAVE-INDIV-SPAWN-MARK-R NUMERIC AND	
05865	023100	NUM-OF-SPAWN-MARKS-R OF NM100REC NUMERIC	02D6CE
05866	023110	IF SAVE-INDIV-SPAWN-MARK-R NOT EQUAL	02D6EE
05867	023120	NUM-OF-SPAWN-MARKS-R OF NM100REC	
05868	023130	MOVE TURN-ON TO EDIT-ERROR-SW	02D704
05869	023140	MOVE SAVE-INDIV-SPAWN-MARK TO INDIV-SPWN	02D70A
05870	023150	MOVE NUM-OF-SPAWN-MARKS OF NM100REC TO ANNL-SPWN	02D710
05871	023160	MOVE SPAWN-CONFLICT TO RPT2-ERR-MSG	02D716
05872	023170	PERFORM 179-BUILD-MASTER-ERROR.	02D71C
05873	023180	*****	
05874	023190	156-FIND-LAST-DIST-TO-ANL	
05875	023200	ADD 1-TO WK-SUB.	02D742
05876	023210	*****	
05877	023220	157-TEST-DISTANCE-INCREASE	
05878	023230	IF ANL-DIST OF NM100REC (WK-SUB) NOT NUMERIC	02D756
05879	023240	OR ANL-DIST OF NM100REC (WK-SUB) = ZEROS	
05880	023250	MOVE TURN-ON TO MISSING-DISTANCE-SW	02D78E
05881	023260	ELSE	
05882	023270	ADD 1-TO WORK-CNT	02D798
05883	023280	IF ANL-DIST OF NM100REC (WK-SUB)	02D7A2

11R	MM100	10.43.12	APR 3, 1984	HEX ADDRESS OF VERBS
05830	022750	IF WORK-CNT GREATER THAN ANL-AGE-R OF NMIIOREC AND		0205E8
05831	022760	ANL-AGE-R OF NMIIOREC GREATER ZERO		02060C
05832	022770	MOVE TURN-ON TO EDIT-ERROR-SW		020612
05833	022780	MOVE-NBR-ANL-DIST-GT-AGE TO RPT2-ERR-MSG		020618
05834	022790	PERFORM 179-BUILD-MASTER-ERROR.		
05835	022800	*****		
05836	022810	DEBUG-CHECK-1/93-LRL		
05837	022820	IF SEQUENCE-NUMBER OF NMIIOREC EQUAL '7900989' OR		
05838	022830	IF SEQUENCE-NUMBER OF NMIIOREC EQUAL '7900990' *		
05839	022840	DISPLAY *DEBUG-A * SPECIES-GROUP OF NMIIOREC *		
05840	022850	LAST-SPECIES-GROUP * SAVE-INDIV-AGE-STATUS.		
05841	022860	*****		
05842	022870	CHANGE FIRST PART OF IF TEST - ASSUMPTION THAT ONLY ONE		
05843	022880	RECORD PER INDIVIDUAL IN FILE		
05844	022890	IF SAVE-INDIV-AGE-STATUS EQUAL *2*		
05845	022900	MOVE SPACES TO SAVE-INDIV-AGE-STATUS		020634
05846	022910	ELSE		020640
05847	022920	MOVE TURN-ON TO EDIT-ERROR-SW		
05848	022930	MOVE IND-AGE-STAT-FRR TO RPT2-ERR-MSG		020648
05849	022940	PERFORM 179-BUILD-MASTER-ERROR.		02064E
05850	022950	ADDED 5/83 PER DISCUSSION WITH EPERLY BY LRL		020654
05851	022960	IF SAVE-INDIV-AGE-R NUMERIC AND ANL-AGE-R OF NMIIOREC		
05852	022970	IF SAVE-INDIV-AGE-R NOT EQUAL ANL-AGE-R OF NMIIOREC		020670
05853	022980	MOVE TURN-ON TO EDIT-ERROR-SW		020690
05854	022990	MOVE AGE-CONFLICT TO RPT2-FRR-MSG		0206A6
05855	023000	PERFORM 179-BUILD-MASTER-ERROR.		0206AC
05856	023010	*****		0206B2
05857	023020	DEBUG 10/93 LRL		
05858	023030	IF SEQUENCE-NUMBER OF NMIIOREC EQUAL 8299995		
05859	023040	DISPLAY *DEBUG-Y * SAVE-INDIV-SPAWN-MARK *		
05860	023050	NUM-OF-SPAWN-MARKS OF NMIIOREC * SAVE-INDIV-LINE		
05861	023060	* LINE-NUMBER OF NMIIOREC *		
05862	023070	*****		
05863	023080	ADDED PER MEMO 7/14/83 10		
05864	023090	IF SAVE-INDIV-SPAWN-MARKS-R OF NMIIOREC NUMERIC		0206CE
05865	023100	NUM-OF-SPAWN-MARKS-R NOT EQUAL		
05866	023110	IF SAVE-INDIV-SPAWN-MARKS-R OF NMIIOREC		0206EE
05867	023120	NUM-OF-SPAWN-MARKS-R OF NMIIOREC		
05868	023130	MOVE TURN-ON TO EDIT-ERROR-SW		020704
05869	023140	MOVE SAVE-INDIV-SPAWN-MARK TO INDIV-SPWN		02070A
05870	023150	MOVE NUM-OF-SPAWN-MARKS OF NMIIOREC TO ANNL-SPWN		020710
05871	023160	MOVE SPAWN-CONFLICT TO RPT2-ERR-MSG		020716
05872	023170	PERFORM 179-BUILD-MASTER-ERROR.		02071C
05873	023180	*****		
05874	023190	156-FIND-LAST-DIST-ID-ANL.		
05875	023200	ADD 1 TO WK-SUB.		020742
05876	023210	*****		
05877	023220	157-TEST-DISTANCE-INCREASE.		
05878	023230	IF ANL-DIST OF NMIIOREC (WK-SUB) NOT NUMERIC		020756
05879	023240	OR ANL-DIST OF NMIIOREC (WK-SUB) = ZEROS		
05880	023250	MOVE TURN-ON TO MISSING-DISTANCE-SW		02078E
05881	023260	*****		
05882	023270	ELSE		020798
05883	023280	ADD 1 TO WORK-CNT		0207AE
		IF ANL-DIST OF NMIIOREC (WK-SUB)		

HEX ADDRESS OF VERBS

119 NM100 10.43.12 APR 3,1984

05884	023200	NOT GREATER THAN ANL-DIST OF NM10REC (WK-SUB-21)	22870000	02070C
05885	023303	MOVE TURN-ON TO DECREASE-SW.	22880000	0207EA
05886	023310	SUBTRACT 1 FROM WK-SUB-2.	22890000	
05887	023320		22900000	
05888	023330	150-EDIT-TAG-RECAPT-REC.	22910000	
05889	023343		22920000	
05890	023350	DEBUG 9/83 LRL	22930000	
05891	023360	IF SEQUENCE-NUMBER OF NM10REC EQUAL '8299991'	22940000	
05892	023370	DISPLAY 'DEBUG-U' * RECAPTURE-DATE OF NM10REC *	22950000	
05893	023380	SAVE-ENVIR-DATE.	22960000	
05894	023390		22970000	
05895	023400	EDIT RECAPT DATE WITH ENVIR DATE 8/83	22980000	
05896	023410	IF RECAPTURE-DATE-P NUMERIC AND SAVE-ENVIR-DATE-R NOT EQUAL ZEROS	22990000	
05897	023420	AND RECAPTURE-DATE-R NOT EQUAL ZEROS	23000000	
05898	023430	AND SAVE-ENVIR-DATE-R NOT EQUAL ZEROS	23010000	
05899	023440	PERFORM 1589-COMPAR-DATE.	23020000	
05900	023450	IF TAG-NUMBER-DIGIT NOT NUMERIC OR TAG-NUMBER-ALPHAB NOT	23030000	
05901	023460	ALPHABETIC.	23040000	
05902	023470	MOVE TURN-ON TO EDIT-ERROR-SW	23050000	
05903	023480	MOVE TAG-NUMBER OF NM10REC TO TAG-NBR-ERROR	23060000	
05904	023490	MOVE TAG-NUMBER-ERROR TO RPT2-ERR-MSG	23070000	
05905	023500	PERFORM 179-BUILD-MASTER-ERROR.	23080000	
05906	023510	IF TAG-NUMBR-CNTR NOT EQUAL ZERO	23090000	
05907	023520	PERFORM 158C-SEARCH-TAG-NUMBER-TABLE VARYING	23100000	
05908	023530	TAG-SUBSCR FROM 1 BY 1 UNTIL (TAG-SUBSCR	23110000	
05909	023540	GREATER TAG-NUMBR-CNTR OR TAG-MATCHED)	23120000	
05910	023550	ELSE	23130000	
05911	023560	MOVE 1 TO TAG-NUMBR-CNTR	23140000	
05912	023570	MOVE 1 TO TAG-SUBSCR	23150000	
05913	023580	MOVE TAG-NUMBER OF NM10REC TO TAG-RECAPT-TAG-NUMBR (11)	23160000	
05914	023590	IF TAG-MATCHED	23170000	
05915	023600	MOVE TURN-OFF TO TAG-MATCHED-SW	23180000	
05916	023610	ABENDS IF MORE THAN 600 RECAPTURES	23190000	
05917	023620	ADDED 1/84 BY B. CRIDER	23200000	
05918	023630		23210000	
05919	023640	ABENDS IF MORE THAN 3000 RECAPTURES	23220000	
05920	023650	CHANGED 04/03/84 BY EFF	23230000	
05921	023660		23240000	
05922	023670		23250000	
05923	023680	ELSE	23260000	
05924	023690	IF TAG-NUMBR-CNTR 3000	23270000	
05925	023700	DISPLAY 'RECAPTURES EXCEED 3000'	23280000	
05926	023710	ADD 1 TO CAUSE-AREND	23290000	
05927	023720	ELSE	23300000	
05928	023730	ADD 1 TO TAG-NUMBR-CNTR	23310000	
05929	023740	MOVE TAG-NUMBER OF NM10REC TO TAG-RECAPT-TAG-NUMBR (TAG-NUMBR-CNTR)	23320000	
05930	023750	7/14/83 PARA 7 9/83	23330000	
05931	023760		23340000	
05932	023770	DEBUG 9/83 LRL	23350000	
05933	023780	IF SEQUENCE-NUMBER OF NM10REC EQUAL '8299991' OR	23360000	
05934	023790	SEQUENCE-NUMBER OF NM10REC EQUAL '8299994'	23370000	
05935	023800	DISPLAY 'DEBUG-W' * SEQUENCE-NUMBER OF NM10REC *		
05936	023810	SAVE-TAG-RECAPT-TAG1 *		
05937	023820			

[illegible]

121	NW100	10-43.12	APR 3.1984	HEX ADDRESS OF VERBS
05992	024370	MOVE CNVT-SDN TO SDN-RECAPT-DATE.	23780000	02089C
05993	024380	MOVE SAVE-ENVIR-DATE-R TO CNVT-YND6.	23790000	0208A6
05994	024390	PERFORM 158A-DATC-ROUTINE.	23800000	0208AC
05995	024400	MOVE CNVT-SDN TO SDN-ENVIR-DATE.	23810000	0208C8
05996	024410	*****	23820000	
05997	024420	*****	23830000	
05998	024430	*****	23840000	
05999	024440	*****	23850000	
06000	024450	*****	23860000	
06001	024460	*****	23870000	
06002	024470	*****	23880000	
06003	024480	*****	23890000	
06004	024490	*****	23900000	0208D2
06005	024500	*****	23910000	0208FC
06006	024510	*****	23920000	020C02
06007	024520	*****	23930000	02DC08
06008	024530	*****	23940000	02DC0E
06009	024540	*****	23950000	02DC14
06010	024550	*****	23960000	02DC38
06011	024560	*****	23970000	02DC4E
06012	024570	*****	23980000	02DC54
06013	024580	*****	23990000	02DC5A
06014	024590	*****	24000000	02DC60
06015	024600	*****	24010000	02DC7C
06016	024610	*****	24020000	02DC7C
06017	024620	*****	24030000	02DC98
06018	024630	*****	24040000	
06019	024640	*****	24050000	02DCBA
06020	024650	*****	24060000	
06021	024660	*****	24070000	
06022	024670	*****	24080000	
06023	024680	*****	24090000	
06024	024690	*****	24100000	
06025	024700	*****	24110000	
06026	024710	*****	24120000	02DCD6
06027	024720	*****	24130000	02DCEC
06028	024730	*****	24140000	02DCF2
06029	024740	*****	24150000	02DCF2
06030	024750	*****	24160000	02DCFC
06031	024760	*****	24170000	02D006
06032	024770	*****	24180000	02D00C
06033	024780	*****	24190000	02D028
06034	024790	*****	24200000	
06035	024800	*****	24210000	02D04A
06036	024810	*****	24220000	02D050
06037	024820	*****	24230000	02D056
06038	024830	*****	24240000	02D05C
06039	024840	*****	24250000	
06040	024850	*****	24260000	
06041	024860	*****	24270000	02D082
06042	024870	*****	24280000	
06043	024880	*****	24290000	02D0AA
06044	024890	*****	24300000	02D0B0
06045	024900	*****	24310000	02D0B6

122	10.43.12	APR 3.1984	HEX ADDRESS OF VERBS
06046	024910	MOVE TAG-NUMBER-REPEATED TO RPT2-ERR-MSG	24320000
06047	024920	PERFORM 179-BUILD-MASTER-ERROR.	02D0C2
06048	024930*		24330000
06049	024940-1580	ADJUST-ZERO-DATE.	24340000
06050	024950	MOVE RECAPTURE-DATE-R TO ADJUST-ZERO-DATE.	24350000
06051	024960	IF ZERO-MM EQUAL ZERO	24360000
06052	024970	MOVE 01 TO ZERO-MM.	24370000
06053	024980	IF ZERO-YD EQUAL ZERO	24380000
06054	024990	MOVE 01 TO ZERO-YD.	24390000
06055	025000	MOVE ADJUST-ZERO-DATE TO CNVT-YMD6.	24400000
06056	025010	PERFORM 158A-DATE-ROUTINE.	24410000
06057	025020	MOVE CNVT-SON TO SON-RECAPT-DATE.	24420000
06058	025030	IF SON-ENVIR-DATE GREATER SON-RECAPT-DATE	24430000
06059	025040	MOVE TURN-ON TO EDIT-ERROR-SW	24440000
06060	025050	MOVE RECAPTURE-DATE-R TO ERR-RECAPT-DATE	24450000
06061	025060	MOVE SAVE-ENVIR-DATE-R TO ERR-ENVIR-DATE	24460000
06062	025070	MOVE DATE-RECL-REC9-ERROR TO RPT2-ERR-MSG	24470000
06063	025080	PERFORM 179-BUILD-MASTER-ERROR.	24480000
06064	025090	MOVE 99999999 TO SON-RECAPT-DATE.	24490000
06065	025100*		24500000
06066	025110	160-EQUAL-DELETE-TRANS.	24510000
06067	025120*		24520000
06068	025130*	MASTER, NOT TRANS IS SOURCE FOR DELETE LINE IN RPT 1.	24530000
06069	025140*		24540000
06070	025150	MOVE REC-DEL TO RPT1-MESSAGE.	24550000
06071	025160	ADD 1 TO NBR-RECS-DEL.	24560000
06072	025170	PERFORM 135-BUILD-DEL.	24570000
06073	025180	MOVE TURN-ON TO WRITE-RPT1-SW.	24580000
06074	025190	MOVE TURN-ON TO READ-MSTR-SW.	24590000
06075	025200*		24600000
06076	025210-170	MASTER-LOW.	24610000
06077	025220	MOVE TURN-ON TO READ-MSTR-SW.	24620000
06078	025230	MOVE TURN-ON TO WRITE-NEMMSTR-SW.	24630000
06079	025240*		24640000
06080	025250	177-BUILD-TRANS-ERROR.	24650000
06081	025260	MOVE RECORD-TYPE OF NM100REC TO RPT1-REC-TYPE.	24660000
06082	025270	MOVE SEQUENCE-NUMBER-OF-NM100REC TO RPT1-SEQ-NBR.	24670000
06083	025280	MOVE REPLICATE-NUMBER OF NM100REC TO RPT1-REP-NBR.	24680000
06084	025290	MOVE SPECIES-CODE OF NM100REC TO RPT1-SPECIES-CODE.	24690000
06085	025300	MOVE SPECIES-STATUS OF NM100REC TO RPT1-SPECIES-STATUS.	24700000
06086	025310	MOVE LINE-NUMBER OF NM100REC TO RPT1-LINE-NBR.	24710000
06087	025320	IF INDIV-RECORD-OR SPECIES-RECORD OR ANNULUS-RECORD	24720000
06088	025330	MOVE DASH TO RPT1-DASH	24730000
06089	025340	ELSE	24740000
06090	025350	MOVE SPACES TO RPT1-DASH.	24750000
06091	025360	ADD 1 TO REC-REJECT-TOT.	24760000
06092	025370	PERFORM 200-WRITE-RPT1-UPD.	24770000
06093	025380*		24780000
06094	025390	179-BUILD-MASTER-ERROR.	24790000
06095	025400	IF DETAIL-LINE-WRITTEN	24800000
06096	025410	NEXT SENTENCE	24810000
06097	025420	ELSE	24820000
06098	025430	MOVE RECORD-TYPE OF NM100REC TO RPT2-REC-TYPE	24830000
06099	025440	MOVE SEQUENCE-NUMBER OF NM100REC TO RPT2-SEQ-NBR	24840000
06100	025450		24850000
06101	025460		24860000
06102	025470		24870000
06103	025480		24880000
06104	025490		24890000
06105	025500		24900000
06106	025510		24910000
06107	025520		24920000
06108	025530		24930000
06109	025540		24940000
06110	025550		24950000
06111	025560		24960000
06112	025570		24970000
06113	025580		24980000
06114	025590		24990000
06115	025600		25000000
06116	025610		25010000
06117	025620		25020000
06118	025630		25030000
06119	025640		25040000
06120	025650		25050000
06121	025660		25060000
06122	025670		25070000
06123	025680		25080000
06124	025690		25090000
06125	025700		25100000
06126	025710		25110000
06127	025720		25120000
06128	025730		25130000
06129	025740		25140000
06130	025750		25150000
06131	025760		25160000
06132	025770		25170000
06133	025780		25180000
06134	025790		25190000
06135	025800		25200000
06136	025810		25210000
06137	025820		25220000
06138	025830		25230000
06139	025840		25240000
06140	025850		25250000
06141	025860		25260000
06142	025870		25270000
06143	025880		25280000
06144	025890		25290000
06145	025900		25300000
06146	025910		25310000
06147	025920		25320000
06148	025930		25330000
06149	025940		25340000
06150	025950		25350000
06151	025960		25360000
06152	025970		25370000
06153	025980		25380000
06154	025990		25390000
06155	026000		25400000
06156	026010		25410000
06157	026020		25420000
06158	026030		25430000
06159	026040		25440000
06160	026050		25450000
06161	026060		25460000
06162	026070		25470000
06163	026080		25480000
06164	026090		25490000
06165	026100		25500000
06166	026110		25510000
06167	026120		25520000
06168	026130		25530000
06169	026140		25540000
06170	026150		25550000
06171	026160		25560000
06172	026170		25570000
06173	026180		25580000
06174	026190		25590000
06175	026200		25600000
06176	026210		25610000
06177	026220		25620000
06178	026230		25630000
06179	026240		25640000
06180	026250		25650000
06181	026260		25660000
06182	026270		25670000
06183	026280		25680000
06184	026290		25690000
06185	026300		25700000
06186	026310		25710000
06187	026320		25720000
06188	026330		25730000
06189	026340		25740000
06190	026350		25750000
06191	026360		25760000
06192	026370		25770000
06193	026380		25780000
06194	026390		25790000
06195	026400		25800000
06196	026410		25810000
06197	026420		25820000
06198	026430		25830000
06199	026440		25840000
06200	026450		25850000
06201	026460		25860000
06202	026470		25870000
06203	026480		25880000
06204	026490		25890000
06205	026500		25900000
06206	026510		25910000
06207	026520		25920000
06208	026530		25930000
06209	026540		25940000
06210	026550		25950000
06211	026560		25960000
06212	026570		25970000
06213	026580		25980000
06214	026590		25990000
06215	026600		26000000
06216	026610		26010000
06217	026620		26020000
06218	026630		26030000
06219	026640		26040000
06220	026650		26050000
06221	026660		26060000
06222	026670		26070000
06223	026680		26080000
06224	026690		26090000
06225	026700		26100000
06226	026710		26110000
06227	026720		26120000
06228	026730		26130000
06229	026740		26140000
06230	026750		26150000
06231	026760		26160000
06232	026770		26170000
06233	026780		26180000
06234	026790		26190000
06235	026800		26200000
06236	026810		26210000
06237	026820		26220000
06238	026830		26230000
06239	026840		26240000
06240	026850		26250000
06241	026860		26260000
06242	026870		26270000
06243	026880		26280000
06244	026890		26290000
06245	026900		26300000
06246	026910		26310000
06247	026920		26320000
06248	026930		26330000
06249	026940		26340000
06250	026950		26350000
06251	026960		26360000
06252	026970		26370000
06253	026980		26380000
06254	026990		26390000
06255	027000		26400000
06256	027010		26410000
06257	027020		26420000
06258	027030		26430000
06259	027040		26440000
06260	027050		26450000
06261	027060		26460000
06262	027070		26470000
06263	027080		26480000
06264	027090		26490000
06265	027100		26500000
06266	027110		26510000
06267	027120		26520000
06268	027130		26530000
06269	027140		26540000
06270	027150		26550000
06271	027160		26560000
06272	027170		26570000
06273	027180		26580000
06274	027190		26590000
06275	027200		26600000
06276	027210		26610000
06277	027220		26620000
06278	027230		26630000
06279	027240		26640000
06280	027250		26650000
06281	027260		26660000
06282	027270		26670000
06283	027280		26680000
06284	027290		26690000
06285	027300		26700000
06286	027310		26710000
06287	027320		26720000
06288	027330		26730000
06289	027340		26740000
06290	027350		26750000
06291	027360		26760000
06292	027370		26770000
06293	027380		26780000
06294	027390		26790000
06295	027400		26800000
06296	027410		26810000
06297	027420		26820000
06298	027430		26830000
06299	027440		26840000
06300	027450		26850000
06301	027460		26860000
06302	027470		26870000
06303	027480		26880000
06304	027490		26890000
06305	027500		26900000
06306	027510		26910000
06307	027520		26920000
06308	027530		26930000
06309	027540		26940000
06310	027550		26950000
06311	02756		

123	NW100	10.43.12	APR 3, 1984	HEX ADDRESS OF VERB8
06100	025450	MOVE-REPLICATE-NUMBER OF N4110REC TO RPT2-REP-NBR	24840000	020F82
06101	025460	MOVE SPECIES-CODE OF N4110REC TO RPT2-SPECIES-CODE	24870000	020F88
06102	025470	MOVE SPECIES-STATUS OF N4110REC TO RPT2-SPECIES-STATUS	24880000	020F8E
06103	025480	MOVE LINE-NUMBER OF N4110REC TO RPT2-LINE-NBR	24890000	020F94
06104	025490	IF MSTR-ANNUAL-RECORD OR MSTR-INDIV-RECORD OR	24900000	020F9A
06105	025500	MSTR-SPECIES-RECORD	24910000	020F9E
06106	025510	MOVE DASH TO RPT2-DASH	24920000	020F82
06107	025520	ELSE	24930000	020F8C
06108	025530	MOVE SPACES TO RPT2-DASH.	24940000	020F8C
06109	025540	PERFORM 210-WRITE-RPT2-ERR.	24950000	020F8C
06110	025550*		24960000	
06111	025560	200-WRITE-RPT1-UPD.	24970000	
06112	025570	MOVE TURN-OFF TO WRITE-RPT1-SW.	24980000	020FE2
06113	025580	IF R1-LINE-CNT GREATER THAN 58	24990000	020FE8
06114	025590	PERFORM 202-WRITE-RPT1-UPD-HEADING.	25000000	020FE8
06115	025600	MOVE TR-DATA TO RPT1-DATA.	25010000	020E0A
06116	025610	WRITE UPD-PR1-LINE FROM REPORT1-DETAIL-LINE	25020000	020E10
06117	025620	AFTER POSITIONING 2.	25030000	
06118	025630	ADD 2 TO R1-LINE-CNT.	25040000	020E5A
06119	025640*		25050000	
06120	025650	202-WRITE-RPT1-UPD-HEADING.	25060000	
06121	025660	ADD 1 TO R1-PAGE-CNT.	25070000	020E6A
06122	025670	MOVE R1-PAGE-CNT TO R1-PAGE-NO.	25080000	020E74
06123	025680	WRITE UPD-PR1-LINE FROM REPORT1-HEAD1 AFTER POSITIONING 0.	25090000	020E8C
06124	025690	WRITE UPD-PR1-LINE FROM REPORT1-HEAD2 AFTER POSITIONING 2.	25100000	020E02
06125	025700	WRITE UPD-PR1-LINE FROM REPORT1-COL-HEAD1	25110000	020E18
06126	025710	AFTER POSITIONING 2.	25120000	
06127	025720	WRITE UPD-PR1-LINE FROM REPORT1-COL-HEAD2	25130000	020E1E
06128	025730	AFTER POSITIONING 1.	25140000	
06129	025740	MOVE 5 TO R1-LINE-CNT.	25150000	020E1A*
06130	025750*		25160000	
06131	025760	210-WRITE-RPT2-ERR.	25170000	
06132	025770	IF R2-LINE-CNT GREATER THAN 58	25180000	020E180
06133	025780	PERFORM 212-WRITE-RPT2-ERR-HEADING	25190000	020E18A
06134	025790	MOVE TURN-ON TO DETAIL-LINE-WRITTEN-SW	25200000	020E1D2
06135	025800	WRITE ERR-PR1-LINE FROM REPORT2-DETAIL-LINE	25210000	020E1D8
06136	025810	AFTER POSITIONING 2	25220000	
06137	025820	ADD 2 TO R2-LINE-CNT	25230000	020E222
06138	025830	ELSE	25240000	
06139	025840	IF DETAIL-LINE-WRITTEN	25250000	020E230
06140	025850	MOVE RPT2-ERR-MSG TO LINE2-ERR-MSG	25260000	020E238
06141	025860	WRITE ERR-PR1-LINE FROM RPT2-DETAIL-LINE2	25270000	020E23E
06142	025870	AFTER POSITIONING 1	25280000	
06143	025880	ADD 1 TO R2-LINE-CNT	25290000	020E284
06144	025890	ELSE	25300000	
06145	025900	MOVE TURN-ON TO DETAIL-LINE-WRITTEN-SW	25310000	020E292
06146	025910	WRITE ERR-PR1-LINE FROM REPORT2-DETAIL-LINE	25320000	020E298
06147	025920	AFTER POSITIONING 2	25330000	
06148	025930	ADD 2 TO R2-LINE-CNT.	25340000	020E2DE
06149	025940*		25350000	
06150	025950	212-WRITE-RPT2-ERR-HEADING.	25360000	
06151	025960	ADD 1 TO R2-PAGE-CNT.	25370000	020E2EE
06152	025970	MOVE R2-PAGE-CNT TO R2-PAGE-NO.	25380000	020E2F8
06153	025980	WRITE ERR-PR1-LINE FROM REPORT2-HEAD1 AFTER POSITIONING 0.	25390000	020E310

HEX ADDRESS OF VERBS

10-63-12 APR 3-1984

124 NM100

Line	Address	Verb	Hex Address	
1	06154	025090	WRITE ERR-PRY-LINE FROM REPORT2-HEAD2 AFTER POSITIONING 2.	25400000
2	06155	026000	WRITE ERR-PRY-LINE FROM REPORT2-COL-HEAD1	25410000
3	06156	026010	AFTER POSITIONING 2.	25420000
4	06157	026070	WRITE ERR-PRY-LINE FROM REPORT2-COL-HEAD2	25430000
5	06158	026030	AFTER POSITIONING 1.	25440000
6	06159	026060	MOVE 5 TO R2-LINE-CNT.	25450000
7	06160	026050		25460000
8	06161	026060	220-WRITE-NEWSTR-REC.	25470000
9	06162	026070		25480000
10	06163	026080	DEBUG 3/83 LRL	25490000
11	06164	026090	IF SEQUENCE-NUMBER OF NM100REC EQUAL '8299996' AND	25500000
12	06165	026100	SPECIES-GROUP OF NM100REC EQUAL '87470202010'	25510000
13	06166	026110	READY TRACE	25520000
14	06167	026120	ELSE	25530000
15	06168	026130	IF SEQUENCE-NUMBER OF NM100REC EQUAL '8299996' AND	25540000
16	06169	026140	SPECIES-GROUP OF NM100REC EQUAL '88354407010'	25550000
17	06170	026150	RESET TRACE.	25560000
18	06171	026160		25570000
19	06172	026170	PERFORM 240-RELATIONAL-EDITS.	25580000
20	06173	026180	PERFORM 253-STRUCTURAL-TEST.	25590000
21	06174	026190	IF MASTER-ACTION	25600000
22	06175	026200	MOVE TURN-OFF TO MASTER-ACTION-SW	25610000
23	06176	026210	PERFORM 140-EDIT-ROUTINE	25620000
24	06177	026220		25630000
25	06178	026230	DEBUG CHECK 2/83 LRL	25640000
26	06179	026240	DISPLAY 'DEBUG-K' RECORD-TYPE OF NM100REC	25650000
27	06180	026250	SPECIES-GROUP OF NM100REC	25660000
28	06181	026260	LINE-NUMBER OF NM100REC	25670000
29	06182	026270		25680000
30	06183	026280	IF NOT MSTR-ENVIR-RECORD AND NOT MSTR-REPLIC-RECORD	25690000
31	06184	026290	PERFORM 225-EDIT-SPECIES-GROUP.	25700000
32	06185	026300	PATCH ADDED 3/83 LRL	25710000
33	06186	026310	IF NOT MASTER-ACTION AND MSTR-ANNULUS-RECORD AND	25720000
34	06187	026320	SAVE-INDIV-AGE-STATUS EQUAL '2'	25730000
35	06188	026330	MOVE SPACES TO SAVE-INDIV-AGE-STATUS.	25740000
36	06189	026340		25750000
37	06190	026350	DEBUG 3/83 LRL	25760000
38	06191	026360	DISPLAY 'DEBUG-H' LAST-LINE-NBR	25770000
39	06192	026370	SPECIES-GROUP OF NM100REC	25780000
40	06193	026380		25790000
41	06194	026390	MOVE MSTR-CONTROL TO LAST-RECORD-KEY.	25800000
42	06195	026400	MOVE RECORD-TYPE OF NM100REC TO LAST-REC-TYPE.	25810000
43	06196	026410	MOVE TURN-OFF TO WRITE-NEWSTR-SW.	25820000
44	06197	026420	WRITE NEWSTR-REC FROM NM100REC.	25830000
45	06198	026430	ADD 1 TO NBR-AFTER-UPDATE.	25840000
46	06199	026440	PERFORM 230-SAVE-MASTER-BY-TYPE.	25850000
47	06200	026450		25860000
48	06201	026460	225-EDIT-SPECIES-GROUP.	25870000
49	06202	026470		25880000
50	06203	026480	DEBUG CHECK 2/83 LRL	25890000
51	06204	026490	IF SEQUENCE-NUMBER OF NM100REC EQUAL '7900989' OR	25900000
52	06205	026500	SPECIES-GROUP OF NM100REC EQUAL '7900990'	25910000
53	06206	026510	DISPLAY 'DEBUG-L' SPECIES-GROUP OF NM100REC	25920000
54	06207	026520	LINE-NUMBER OF NM100REC.	25930000

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

NM100

125

06208	026530	SEARCH ALL LATIN-NAME-TABLE	*****25940000	02E566
06209	026540	AT END PERFORM 227-UNMATCHED-SPECIES-GROUP	25950000	02E56A
06210	026550	WHEN SPECIES-NUMBER (LATIN-INDEX) EQUAL SPECIES-CODE	25970000	
06211	026560	OF NM110REC	25980000	
06212	026570	PERFORM 226-VALID-SPECIES-CODE.	25990000	02E5CE
06213	026580		26000000	
06214	026590		26010000	
06215	026600	226-VALID-SPECIES-CODE.	26020000	
06216	026610	NO TESTS YET (2/83) BUT THEY'LL GO HERE EVENTUALLY	26030000	02E5F8
06217	026620	EXIT.	26040000	
06218	026630		26050000	
06219	026640	227-UNMATCHED-SPECIES-GROUP.	26060000	02E5FE
06220	026650	MOVE TURN-ON TO EDIT-ERROR-SM.	26070000	02E604
06221	026660	MOVE SPECIES-CODE OF NM110REC TO SPEC-CODE.	26080000	02E60A
06222	026670	MOVE SPECIES-GROUP-NOT-FOUND TO RPT2-ERR-MSG.	26090000	02E610
06223	026680	PERFORM 179-BUILD-MASTER-ERROR.	26100000	
06224	026690		26110000	
06225	026700	230-SAVE-MASTER-BY-TYPE.	26120000	02E632
06226	026710	IF MSTR-ENVIR-RECORD	26130000	02E63A
06227	026720	MOVE NM110REC TO SAVE-ENVIR	26140000	
06228	026730	ELSE	26150000	02E644
06229	026740	IF MSTR-REPLIC-RECORD	26160000	02E64C
06230	026750	MOVE NM110REC TO SAVE-REPLIC	26170000	
06231	026760	ELSE	26180000	02E656
06232	026770	IF MSTR-SPECIES-RECORD	26190000	02E65E
06233	026780	MOVE NM110REC TO SAVE-SPECIES		02E664
06234	026790	ADDITION BY EFF 03/23/84		
06235	026800	MOVE TURN-ON TO SPECIES-FOUND-SM		
06236	026810	END OF ADDITION BY EFF	26200000	
06237	026820	ELSE	26210000	02E66E
06238	026830	IF MSTR-INDIV-RECORD	26220000	02E676
06239	026840	MOVE NM110REC TO SAVE-INDIV	26230000	
06240	026850	ELSE	26240000	02E68A
06241	026860	IF MSTR-ANNULUS-RECORD	26250000	02E692
06242	026870	MOVE NM110REC TO SAVE-ANNULUS	26260000	
06243	026880	ELSE	26270000	02E69C
06244	026890	IF MSTR-TAG-RECAPTURE-RECORD	26280000	02E6A4
06245	026900	MOVE NM110REC TO SAVE-TAG-RECAPT.	26290000	
06246	026910		26300000	
06247	026920	*****TEMP CHG FOR DEBUG 10/25/82*****	26310000	
06248	026930	IF SEQUENCE-NUMBER OF NM110REC GREATER THAN *8008506*	26320000	
06249	026940	RESET TRACE	26330000	
06250	026950	ADD -1 TO CAUSE-ABEND.	26340000	
06251	026960	*****TEMP CHG FOR DEBUG 10/25/82*****	26350000	
06252	026970		26360000	
06253	026980	240-RELATIONAL-EDITS.	26370000	02E680
06254	026990	ON 1	26380000	
06255	027000	NEXT SENTENCE	26390000	
06256	027010	ELSE	26400000	02E6C0
06257	027020	PERFORM 242-TEST-ENVIR-BREAK.	26410000	02E6D8
06258	027030	MOVE TURN-OFF TO DETAIL-LINE-WRITTEN-SM.	26420000	02E6DE
06259	027040	IF MSTR-ENVIR-RECORD	26430000	02E6EA
06260	027050	MOVE ENVIR-NUMBER-REPLIC OF NM110REC TO SAVE-NUM-REPS	26440000	
06261	027060	ELSE		

126	NW100	10.43.12	APR 3, 1984	HEX ADDRESS OF VERBS
06262	027070	IF MSTR-REPLIC-RECORD		26450000 02E6F8
06263	027080	MOVE RP-NUMBER-SPECIES OF NMIIOREC		26460000 02E700
06264	027090	TO SAVE-NUM-SPECIES		26470000 02E70A
06265	027100	IF SEQUENCE-NUMBER OF NMIIOREC = LAST-SEQ-NBR		26480000 02E714
06266	027110	ADD 1 TO NUMB-REP-RECS		26500000 02E72E
06267	027120	ELSE		26510000 02E738
06268	027130	MOVE 1 TO NUMB-REP-RECS		26520000 02E740
06269	027140	ELSE		26530000 02E74A
06270	027150	IF MSTR-SPECIES-RECORD		26540000 02E750
06271	027160	MOVE SPE-SUBSAMPLE-CNT OF NMIIOREC TO		26550000 02E764
06272	027170	SAVE-NUM-SUBSAMPLES		26560000 02E77E
06273	027180	MOVE SPE-INDIV-FORMAT-CODE OF NMIIOREC TO		26570000 02E788
06274	027190	SAVE-SPEC-CODE		26580000 02E790
06275	027200	IF SEQUENCE-NUMBER OF NMIIOREC = LAST-SEQ-NBR		26590000 02E7AC
06276	027210	AND REPLICATE-NUMBER OF NMIIOREC = LAST-REP-NBR		26600000 02E7CC
06277	027220	ADD 1 TO NUMB-SPEC-RECS		26610000 02E7D6
06278	027230	ELSE		26620000 02E7E8
06279	027240	MOVE 1 TO NUMB-SPEC-RECS		26630000 02E7F0
06280	027250	ELSE		26640000 02E7F8
06281	027260	IF MSTR-INDIV-RECORD		26650000 02E808
06282	027270	PERFORM 249-SAVE-AGE-STATUS		26660000 02E80E
06283	027280	PERFORM 250-SPECIES-CODE-CHECKS		26670000 02E814
06284	027290	MOVE INDIV-TAG-NBR-R OF NMIIOREC TO SAVE-TAG-NO		26680000 02E81A
06285	027300	MOVE INDIV-LTH-R OF NMIIOREC TO SAVE-INDIV-LTH		26690000 02E83C
06286	027310	ELSE		26700000 02E846
06287	027320	IF MSTR-ANNUUS-RECORD		26710000 02E858
06288	027330	IF SAVE-SPEC-CODE NOT = SPACES		26720000 02E88A
06289	027340	IF NOT SPECIES-CODE-4-OR-7		26730000 02E88C
06290	027350	MOVE TURN-ON TO EDIT-ERROR-SM		26740000 02E89A
06291	027360	MOVE SAVE-SPEC-CODE TO ERR-MSG-CODE		26750000 02E8B2
06292	027370	MOVE INVALID-REC-FOR-CODE TO RPT2-ERR-MSG		26760000 02E8CC
06293	027380	PERFORM I79-BUILD-MASTER-ERROR.		26770000 02E8D2
06294	027390	242-TEST-ENVIR-BREAK.		26780000 02E8D8
06295	027400	IF SEQUENCE-NUMBER OF NMIIOREC NOT = LAST-SEQ-NBR		26790000 02E8DE
06296	027410	IF LAST-SEQ-NBR NOT = SPACES		26800000 02E8E4
06297	027420	PERFORM 243-ENVIR-BREAK		26810000 02E8F8
06298	027430	ELSE		26820000 02E89A
06299	027440	NEXT SENTENCE		26830000 02E8B2
06300	027450	ELSE		26840000 02E8CC
06301	027460	PERFORM 244-TEST-REPLIC-BREAK.		26850000 02E8D2
06302	027470	243-ENVIR-BREAK.		26860000 02E8D8
06303	027480	PERFORM 245-REPLIC-BREAK.		26870000 02E8DE
06304	027490	IF NUMB-REP-RECS NOT = SAVE-NUM-REPS		26880000 02E8F8
06305	027500	MOVE TURN-OFF TO DETAIL-LINE-WRITTEN-SM		26890000 02E89A
06306	027510	MOVE SAVE-NUM-REPS TO ERR-MSG-REPS		26900000 02E8B2
06307	027520	***** DERUG *****		26910000 02E8CC
06308	027530	***** AND NO. CALC. REPS. = NUMB-REP-RECS *****		26920000 02E8D2
06309	027540	***** IN ENVIR. = 1. SAVE-NUM-REPS *****		26930000 02E8D8
06310	027550	***** AND NO. CALC. REPS. = NUMB-REP-RECS *****		26940000 02E8DE
06311	027560	***** MOVE REPS-DONT-WATCH TO RPT2-ERR-MSG *****		26950000 02E8F8
06312	027570	***** MOVE TURN-ON TO EDIT-ERROR-SM *****		26960000 02E89A
06313	027580	***** IF SAVE-ENVIR NOT = SPACES *****		26970000 02E8B2
06314	027590	*****		26980000 02E8CC
06315	027600	*****		26990000 02E8D2

127	MI00	10.43.12	APR 3.1984	HEX ADDRESS OF VERBS
06316	027610	MOVE NM10REC TO ROLLOUT-AREA	26990000	02E9F6
06317	027620	MOVE SAVE-ENVIR TO NM10REC	27000000	02E9FC
06318	027630	PERFORM 179-BUILD-MASTER-ERROR	27010000	02E902
06319	027640	MOVE-ROLLOUT-AREA TO NM10REC	27020000	02E91A
06320	027650	MOVE ZEROS TO NUMB-REP-RECS, SAVE-NUM-REPS.	27030000	02E920
06321	027660	MOVE SPACES TO SAVE-ENVIR.	27040000	02E92C
06322	027670*		27050000	
06323	027680	244-TEST-REPLIC-BREAK.	27060000	
06324	027690	IF REPLICATE-NUMBER OF NM10REC NOT = LAST-REP-NBR	27070000	02E940
06325	027700	IF LAST-REP-NBR NOT = SPACES	27080000	02E94A
06326	027710	PERFORM 245-REPLIC-BREAK	27090000	02E95C
06327	027720	ELSE	27100000	
06328	027730	NEXT SENTENCE	27110000	
06329	027740	ELSE	27120000	
06330	027750	PERFORM 246-TEST-SPECIES-BREAK.	27130000	02E97C
06331	027760*		27140000	
06332	027770	245-REPLIC-BREAK.	27150000	
06333	027780	PERFORM 247-SPECIES-BREAK.	27160000	02E99E
06334	027790	IF NUMB-SPEC-RECS NOT = SAVE-NUM-SPECIES	27170000	02E986
06335	027800	MOVE TURN-OFF TO DETAIL-LINE-WRITTEN-SM	27180000	02E9D0
06336	027810	MOVE SAVE-NUM-SPECIES TO ERR-MSG-SPECS	27190000	02E9D6
06337	027820	MOVE NUMB-SPEC-RECS TO NUM-SPEC-REC	27200000	02E9DC
06338	027830	MOVE SPECIES-DONT-MATCH TO RPT2-ERR-MSG	27210000	02E9E6
06339	027840*	** * * * * DEBUG * * * * *	27220000	
06340	027850*	DISPLAY-NO-SPECIES-NO-SPECIES-RECS	27230000	
06341	027860*	** * * * * * * * * * * * * *	27240000	
06342	027870	MOVE TURN-ON TO EDIT-ERROR-SW	27250000	02E9EC
06343	027880	IF SAVE-REPLIC NOT = SPACES	27260000	02E9F2
06344	027890	MOVE NM10REC TO ROLLOUT-AREA	27270000	02EA04
06345	027900	MOVE SAVE-REPLIC TO NM10REC	27280000	02EA0A
06346	027910	PERFORM 179-BUILD-MASTER-ERROR	27290000	02EA10
06347	027920	MOVE ROLLOUT-AREA TO NM10REC	27300000	02EA28
06348	027930	MOVE ZEROS TO NUMB-SPEC-RECS, SAVE-NUM-SPECIES.	27310000	02EA2E
06349	027940*	MOVE SPACES TO SAVE-REPLIC.	27320000	02EA3A
06350	027950*		27330000	
06351	027960	246-TEST-SPECIES-BREAK.	27340000	
06352	027970	*****	27350000	
06353	027980*	DEBUG 1/83 LRL	27360000	
06354	027990*	IF	27370000	
06355	028000*	(SEQUENCE-NUMBER OF NM10REC EQUAL '7900333'-OR	27380000	
06356	028010*	SEQUENCE-NUMBER OF NM10REC EQUAL '7900333')	27390000	
06357	028020*	DISPLAY 'DEBUG-0' SPECIES-GROUP OF NM10REC ,	27400000	
06358	028030*	LAST-SPECIES-GROUP , 1 SAVE-INDIV-AGE-STATUS.	27410000	
06359	028040*	*****	27420000	
06360	028050	IF SPECIES-GROUP OF NM10REC NOT = LAST-SPECIES-GROUP	27430000	02EA4E
06361	028060	IF LAST-SPECIES-GROUP NOT = SPACES	27440000	02EA58
06362	028070	PERFORM 247-SPECIES-BREAK	27450000	02EA6A
06363	028080	ELSE	27460000	
06364	028090	NEXT SENTENCE	27470000	
06365	028100	ELSE	27480000	
06366	028110	PERFORM 248-TEST-INDIV-BREAK.	27490000	02EAB8
06367	028120*		27500000	
06368	028130	247-SPECIES-BREAK.	27510000	
06369	028140	PERFORM 249-INDIV-BREAK.	27520000	02EAB0

MEX ADDRESS OF VERB8

10.43.12 APR 3,1984

128 N0100

06370	028150	MOVE TURN-OFF TO DETAIL-LINE-WRITTEN-SW.	27530000	02EACC
06371	028160	IF (SAVE-NUM-SUBSAMPLES NOT = NUMB-INDIV-RECS)	27540000	02EAD2
06372	028170	AND (SPECIES-CODE-1-OR-2 OR	27550000	
06373	028180	SPECIES-CODE-4-OR-7)	27560000	
06374	028190	MOVE SAVE-NUM-SUBSAMPLES TO ERR-MSG-SUBSAM	27570000	02EBOC
06375	028200	MOVE NUMB-INDIV-RECS TO NUMB-INDIV-RECK	27580000	02EB12
06376	028210	MOVE SUBSAMPLES-DONT-MATCH TO RPT2-ERR-MSG	27590000	02EB1C
06377	028220	*** DEBUG ***	27600000	
06378	028230	DISPLAY 'NO-SUBSAM- SAVE-NUM-SUBSAMPLES	27610000	
06379	028240	INDIV-RECS= NUMB-INDIV-RECS	27620000	
06380	028250	INDIV-FORMAT= SAVE-SPEC-CODE	27630000	
06381	028260	***	27640000	
06382	028270	MOVE TURN-ON TO EDIT-ERROR-SW	27650000	02EB22
06383	028280	IF SAVE-SPECIES NOT = SPACES	27660000	02EB28
06384	028290	MOVE NH10REC TO ROLLOUT-AREA	27670000	02EB3A
06385	028300	MOVE SAVE-SPECIES TO NH10REC	27680000	02EB40
06386	028310	PERFORM I79-BUILD-MASTER-ERROR	27690000	02ED46
06387	028320	MOVE ROLLOUT-AREA TO NH10REC.	27700000	02EB5E
06388	028330	IF SPECIES-CODE-4-OR-7	27710000	02EB64
06389	028340	IF NO-CODE4-DATA-FOUND	27720000	02EB78
06390	028350	MOVE TURN-ON TO EDIT-ERROR-SW	27730000	02EB80
06391	028360	MOVE MISSING-INDIV-DATA TO RPT2-ERR-MSG	27740000	02EB86
06392	028370	IF SAVE-SPECIES NOT = SPACES	27750000	02EB9C
06393	028380	MOVE NH10REC TO ROLLOUT-AREA	27760000	02EB9E
06394	028390	MOVE SAVE-SPECIES TO NH10REC	27770000	02EBAA
06395	028400	PERFORM I79-BUILD-MASTER-ERROR	27780000	02EBAA
06396	028410	MOVE ROLLOUT-AREA TO NH10REC	27790000	02EBC2
06397	028420	ELSE	27800000	
06398	028430	NEXT SENTENCE	27810000	
06399	028440	ELSE	27820000	
06400	028450	MOVE SPACES TO CODE4-DATA-FOUND-SW	27830000	02EBD0
06401	028460	***** TEMP CHG FOR DEBUG 10/25/82 *****	27840000	
06402	028470	IF SEQUENCE-NUMBER OF NH10REC GREATER THAN '8008504'	27850000	
06403	028480	DISPLAY 'SAVE-SPEC-CODE= SAVE-SPEC-CODE	27860000	
06404	028490	DISPLAY 'S-NUM-SS= SAVE-NUM-SUBSAMPLES	27870000	
06405	028500	DISPLAY 'N-IND-RC= NUMB-INDIV-RECS	27880000	
06406	028510	IF SAVE-SPECIES = SPACES	27890000	
06407	028520	DISPLAY '...SAVE-SPECIES IS BLANK....'	27900000	
06408	028530	AND 1 TO CAUSE-ABEND.	27910000	
06409	028540	***** TEMP CHG FOR DEBUG 10/25/82 *****	27920000	
06410	028550	*****	27930000	
06411	028560	DEBUG 9/83 LRL	27940000	
06412	028570	IF SAVE-SPE-SEQ-NUMB EQUAL '8299991'	27950000	
06413	028580	DISPLAY 'DEBUG-X', SAVE-SPE-NUMB-TAGGED1-R	27960000	
06414	028590	SAVE-SPE-TAG1, SAVE-SPE-NUMB-TAGGED2-R	27970000	
06415	028600	SAVE-SPE-TAG2, SAVE-TAG-RECAP-TAG1-CNTR	27980000	
06416	028610	SAVE-TAG-RECAP-TAG1, SAVE-TAG-RECAP-TAG2-CNTR	27990000	
06417	028620	SAVE-TAG-RECAP-TAG2	28000000	
06418	028630	***** MEMO 7/16/83, PARA 7, PART 2	28010000	
06419	028640	IF SAVE-SPE-NUMB-TAGGED1-R NUMERIC	28020000	02EBD4
06420	028650	IF SAVE-TAG-RECAP-TAG1 EQUAL SAVE-SPE-TAG1 AND	28030000	02EBE2
06421	028660	SAVE-TAG-RECAP-TAG1-CNTR GREATER	28040000	
06422	028670	SAVE-SPE-NUMB-TAGGED1-R	28050000	
06423	028680		28060000	

129	MM100	10.43.12	APR 3, 1984	HEX ADDRESS OF VER8S
06424	028699	MOVE TURN-ON TO EDIT-ERROR-SW	28070000	02EC02
06425	028707	MOVE SAVE-TAG-RECAP-TAG1-CNTR TO ERR-TAG-CNTR	28080000	02EC08
06426	028710	MOVE SAVE-SPE-NUMBR-TAGGED1 TO ERR-SPE-CNTR	28090000	02EC0E
06427	028720	MOVE SAVE-SPE-TAG1 TO ERR-TAG-TYPX	28100000	02EC14
06428	028730	MOVE TAG-AND-SPE-CNT-ERROR TO RPT2-ERR-MSG	28110000	02EC1A
06429	028740	MOVE NH10REC TO ROLLOUT-AREA	28120000	02EC20
06430	028750	MOVE SAVE-SPECIES TO NH10REC	28130000	02EC26
06431	028760	PERFORM 179-BUILD-MASTER-ERROR	28140000	02EC2C
06432	028770	MOVE ROLLOUT-AREA TO NH10REC	28150000	02EC44
06433	028780	IF SAVE-SPE-NUMBR-TAGGED2-R NUMERIC	28160000	02EC4A
06434	028790	IF SAVE-TAG-RECAP-TAG1 EQUAL SAVE-SPE-TAG2 AND	28170000	02EC5C
06435	028800	SAVE-TAG-RECAP-TAG1-CNTR GREATER	28180000	
06436	028810	SAVE-SPE-NUMBR-TAGGED2-R	28190000	
06437	028820	MOVE TURN-ON TO EDIT-ERROR-SW	28200000	02EC84
06438	028830	MOVE SAVE-TAG-RECAP-TAG1-CNTR TO ERR-TAG-CNTR	28210000	02EC8A
06439	028840	MOVE SAVE-SPE-NUMBR-TAGGED2 TO ERR-SPE-CNTR	28220000	02EC90
06440	028850	MOVE SAVE-SPE-TAG2 TO ERR-TAG-TYPX	28230000	02EC96
06441	028860	MOVE TAG-AND-SPE-CNT-ERROR TO RPT2-ERR-MSG	28240000	02EC9C
06442	028870	MOVE NH10REC TO ROLLOUT-AREA	28250000	02ECA2
06443	028880	MOVE SAVE-SPECIES TO NH10REC	28260000	02ECA8
06444	028890	PERFORM 179-BUILD-MASTER-ERROR	28270000	02ECAE
06445	028900	MOVE ROLLOUT-AREA TO NH10REC	28280000	02ECCA
06446	028910	IF SAVE-SPE-NUMBR-TAGGED1-R NUMERIC	28290000	02ECDD
06447	028920	IF SAVE-TAG-RECAP-TAG2 EQUAL SAVE-SPE-TAG1 AND	28300000	02ECE2
06448	028930	SAVE-TAG-RECAP-TAG2-CNTR GREATER	28310000	
06449	028940	SAVE-SPE-NUMBR-TAGGED1-R	28320000	
06450	028950	MOVE TURN-ON TO EDIT-ERROR-SW	28330000	02ED02
06451	028960	MOVE SAVE-TAG-RECAP-TAG2-CNTR TO ERR-TAG-CNTR	28340000	02ED08
06452	028970	MOVE SAVE-SPE-NUMBR-TAGGED1 TO ERR-SPE-CNTR	28350000	02ED0E
06453	028980	MOVE SAVE-SPE-TAG1 TO ERR-TAG-TYPX	28360000	02ED14
06454	028990	MOVE TAG-AND-SPE-CNT-ERROR TO RPT2-ERR-MSG	28370000	02ED1A
06455	029000	MOVE NH10REC TO ROLLOUT-AREA	28380000	02ED20
06456	029010	MOVE SAVE-SPECIES TO NH10REC	28390000	02ED26
06457	029020	PERFORM 179-BUILD-MASTER-ERROR	28400000	02ED2C
06458	029030	MOVE ROLLOUT-AREA TO NH10REC	28410000	02ED48
06459	029040	IF SAVE-SPE-NUMBR-TAGGED2-R NUMERIC	28420000	02ED4E
06460	029050	IF SAVE-TAG-RECAP-TAG2 EQUAL SAVE-SPE-TAG2 AND	28430000	02ED50
06461	029060	SAVE-TAG-RECAP-TAG2-CNTR GREATER	28440000	
06462	029070	SAVE-SPE-NUMBR-TAGGED2-R	28450000	
06463	029080	MOVE TURN-ON TO EDIT-ERROR-SW	28460000	02ED80
06464	029090	MOVE SAVE-TAG-RECAP-TAG2-CNTR TO ERR-TAG-CNTR	28470000	02ED86
06465	029100	MOVE SAVE-SPE-NUMBR-TAGGED2 TO ERR-SPE-CNTR	28480000	02ED8C
06466	029110	MOVE SAVE-SPE-TAG2 TO ERR-TAG-TYPX	28490000	02ED92
06467	029120	MOVE TAG-AND-SPE-CNT-ERROR TO RPT2-ERR-MSG	28500000	02ED98
06468	029130	MOVE NH10REC TO ROLLOUT-AREA	28510000	02ED9E
06469	029140	MOVE SAVE-SPECIES TO NH10REC	28520000	02ED04
06470	029150	PERFORM 179-BUILD-MASTER-ERROR	28530000	02EDAA
06471	029160	MOVE ROLLOUT-AREA TO NH10REC	28540000	02EDC6
06472	029170	MOVE ZEROS TO SAVE-TAG-RECAP-TAG1-CNTR,	28550000	02EDCC
06473	029180	SAVE-TAG-RECAP-TAG2-CNTR	28560000	
06474	029190	MOVE SPACES TO SAVE-TAG-RECAP-TAG1	28570000	02ED08
06475	029200	SAVE-TAG-RECAP-TAG2	28580000	
06476	029210	MOVE SPACES TO SAVE-SPEC-CODE	28590000	02EDE0
06477	029220	MOVE ZEROS TO SAVE-NUM-SUBSAMPLES, NUMB-INDIV-RECS,	28600000	02EDE4

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

MI100

130

06478	029230	SAVE-INDIV-LTH.	28610000
06479	029240	MOVE SPACES TO SAVE-SPECIES.	28620000
06480	029250	PERFORM 247B-PAD-TAG-NUMBER-TABLE VARYING TAG-SUBSCR FROM 1	28630000
06481	029260	BY 1-UNTIL TAG-SUBSCR GREATER TAG-NUMBER-CNTR.	28640000
06482	029270	MOVE ZEROS TO TAG-NUMBER-CNTR.	28650000
06483	029280	ADDITION BY EFF 0321/84	28660000
06484	029290	MOVE TURN-OFF TO SPECIES-FOUND-SW.	28670000
06485	029300	END OF ADDITION BY EFF	28680000
06486	029310		28690000
06487	029320	247B-PAD-TAG-NUMBER-TABLE.	28700000
06488	029330	MOVE SPACES TO TAG-RECAP-TAG-NUMBER (TAG-SUBSCR) .	28710000
06489	029340		28720000
06490	029350		28730000
06491	029360	248-TEST-INDIV-BREAK.	28740000
06492	029370	***** LRL	28750000
06493	029380	IF	28760000
06494	029390	I SEQUENCE-NUMBER OF NMLIOREC EQUAL *7900332* OR	28770000
06495	029400	SEQUENCE-NUMBER OF NMLIOREC EQUAL *7900333* ;	28780000
06496	029410	DISPLAY *DEBUG-B* LAST-LINE-NBR ; LINE-NUMBER OF NMLIOREC	28790000
06497	029420	* SPECIES-GROUP OF NMLIOREC * LAST-SPECIES-GROUP	28800000
06498	029430	* * * SAVE-INDIV-AGE-STATUS * LAST-REC-TYPE * *	28810000
06499	029440	RECORD-KEY OF NMLIOREC.	28820000
06500	029450	*****	28830000
06501	029460	IF LINE-NUMBER OF NMLIOREC NOT = LAST-LINE-NBR	28840000
06502	029470	IF LAST-LINE-NBR NOT = SPACES AND LAST *2*	28850000
06503	029480	SAVE-INDIV-AGE-STATUS NOT EQUAL *2*	28860000
06504	029490	NEXT SENTENCE	28870000
06505	029500	FALSE	28880000
06506	029510	PERFORM 249-INDIV-BREAK.	28890000
06507	029520		28900000
06508	029530		28910000
06509	029540	249-INDIV-BREAK.	28920000
06510	029550	***** LRL	28930000
06511	029560	IF	28940000
06512	029570	SEQUENCE-NUMBER OF NMLIOREC EQUAL *8299996*	28950000
06513	029580	DEBUG-C * SAVE-INDIV-AGE-STATUS *	28960000
06514	029590	DISPLAY *SPECIES-GROUP OF NMLIOREC * LAST-SPECIES-GROUP	28970000
06515	029600	* * * SEQUENCE-NUMBER OF NMLIOREC *	28980000
06516	029610	SAVE-SPEC-GME * OCCURRENCE-CODE-3 *	28990000
06517	029620	*****	29000000
06518	029630	ADDED 4/83 LRL - IF A CODE3 RECORD DOES NOT HAVE TWO	29010000
06519	029640	FOLLOWING RECORDS - TRAPPED HERE & ERROR MSG PRINTED	29020000
06520	029650	IF LAST-SPECIES-GROUP NOT EQUAL SPACES AND SPECIES-CODE-3	29030000
06521	029660	AND OCCURRENCE-CODE-3 EQUAL 1	29040000
06522	029670	MOVE TURN-ON TO EDIT-ERROR-SW	29050000
06523	029680	MOVE MISSING-CODE3-NHRR2 TO RPT2-ERR-MSG	29060000
06524	029690	MOVE NMLIOREC TO ROLLOUT-AREA	29070000
06525	029700	MOVE SAVE-INDIV TO NMLIOREC	29080000
06526	029710	PERFORM 179-BUILD-MASTER-ERROR	29090000
06527	029720	MOVE ROLLOUT-AREA TO NMLIOREC.	29100000
06528	029730		29110000
06529	029740		29120000
06530	029750	IF SAVE-INDIV-AGE-STATUS NOT = SPACES	29130000
06531	029760	MOVE TURN-OFF TO DETAIL-LINE-WRITTEN-SW	29140000

131	NW100	10-43.12	APR 3.1984	HEX ADDRESS OF VERBS
06532	029770	MOVE TURN-ON TO EDIT-ERROR-SW	29120000	02EF44
06533	029780	MOVE MISSING-ANNULUS TO RPT2-ERR-MSG	29130000	02EF50
06534	029790	MOVE TURN-ON TO EDIT-ERROR-SW	29140000	02EF56
06535	029800	MOVE SPACES TO SAVE-INDIV-AGE-STATUS	29150000	02EF5C
06536	029810	IF SAVE-INDIV NOT = SPACES	29160000	02EF60
06537	029820	MOVE SAVE-INDIV TO ROLLOUT-AREA	29170000	02EF72
06538	029830	MOVE NMLIOREC TO ROLLOUT-AREA	29180000	02EF78
06539	029840	PERFORM 179-BUILD-MASTER-ERROR	29190000	02EF7E
06540	029850	MOVE ROLLOUT-AREA TO NMLIOREC	29200000	02EF9A
06541	029860	MOVE SPACES TO SAVE-INDIV	29210000	02EFA0
06542	029870	MOVE ZEROS TO OCCURRENCE-CODE-3	29220000	02EFAA
06543	029880	*****	29230000	
06544	029890	249-SAVE-AGE-STATUS	29240000	
06545	029900	*****	29250000	
06546	029910	DEBUG 1/83 LRL	29260000	
06547	029920	IF	29270000	
06548	029930	(SEQUENCE-NUMBER OF NMLIOREC EQUAL '7900332' OR	29280000	
06549	029940	SEQUENCE-NUMBER OF NMLIOREC EQUAL '7900333')	29290000	
06550	029950	DISPLAY 'DEBUG-E' SPECIES-GROUP OF NMLIOREC	29300000	
06551	029960	LAST-SPECIES-GROUP * LAST-LINE-NBR *	29310000	
06552	029970	LINE-NUMBER OF NMLIOREC	29320000	
06553	029980	*****	29330000	
06554	029990	IF AGE-STATUS-2	29340000	02EFBA
06555	030000	MOVE INDIV-AGE-STATUS OF NMLIOREC TO	29350000	02EFC2
06556	030010	SAVE-INDIV-AGE-STATUS	29360000	
06557	030020	*****	29370000	
06558	030030	250-SPECIES-CODE-CHECKS	29380000	
06559	030040	IF SAVE-SPEC-CODE-NOT = SPACES	29390000	02EFCE
06560	030050	IF SPECIES-CODE-0 OR SPECIES-CODE-5	29400000	02EFD6
06561	030060	MOVE TURN-ON TO EDIT-ERROR-SW	29410000	02EFE6
06562	030070	MOVE SAVE-SPEC-CODE TO ERR-MSG-CODE	29420000	02EFEC
06563	030080	MOVE INVALID-REC-FOR-CODE TO RPT2-ERR-MSG	29430000	02EFF2
06564	030090	PERFORM 179-BUILD-MASTER-ERROR	29440000	02EFF8
06565	030100	ELSE	29450000	
06566	030110	IF SPECIES-CODE-1-OR-2	29460000	02F01C
06567	030120	ADD INDIV-CNT-R OF NMLIOREC TO NUMB-INDIV-RECS	29470000	02F02C
06568	030130	IF INDIV-DETAILS OF NMLIOREC NOT EQUAL SPACES	29480000	02F048
06569	030140	MOVE TURN-ON TO EDIT-ERROR-SW	29490000	02F05A
06570	030150	MOVE INVALID-INDIV-FORMAT	29500000	02F060
06571	030160	TO RPT2-ERR-MSG	29510000	
06572	030170	PERFORM 179-BUILD-MASTER-ERROR	29520000	02F066
06573	030180	ELSE	29530000	
06574	030190	NEXT SENTENCE	29540000	
06575	030200	ELSE	29550000	
06576	030210	IF SPECIES-CODE-3	29560000	02F08A
06577	030220	PERFORM 251-EDIT-INDIV-SC-3	29570000	02F092
06578	030230	ELSE	29580000	
06579	030240	IF SPECIES-CODE-4-OR-7	29590000	02F0B2
06580	030250	ADD INDIV-CNT-R OF NMLIOREC TO NUMB-INDIV-RECS	29600000	02F0C2
06581	030260	IF INDIV-DETAILS OF NMLIOREC NOT = SPACES	29610000	02F0DE
06582	030270	MOVE TURN-ON TO CODE4-DATA-FOUND-SW	29620000	02F0F0
06583	030280	ELSE	29630000	
06584	030290	NEXT SENTENCE	29640000	
06585	030300	ELSE	29650000	

132	NW100	10.43.12	APR 3.1984	HEX ADDRESS OF VERBS
06586	030310	IF SPECIES-CODE=6		29660000
06587	030320	PERFORM 254-EDIT-INDIV-SC-6.		29670000
06588	030330	***** DEBUC *****		29680000
06589	030340	-DISPLAY-CALC.NO.INDIV = 1-NUMB-INDIV-RECS.		29690000
06590	030350	*****		29700000
06591	030360	*****		29710000
06592	030370	251-EDIT-INDIV-SC-3.		29720000
06593	030380	IF SEQUENCE-NUMBER OF NM10REC = LAST-SEQ-NBR AND		29730000
06594	030390	REPLICATE-NUMBER OF NM10REC = LAST-REP-NBR AND		29740000
06595	030400	SPECIES-GROUP OF NM10REC = LAST-SPECIES-GROUP AND		29750000
06596	030410	RECORD-TYPE OF NM10REC = LAST-REC-TYPE		29760000
06597	030420	ADD 1 TO OCCURRENCE-CODE-3		29770000
06598	030430	ELSE		29780000
06599	030440	MOVE 1 TO OCCURRENCE-CODE-3.		29790000
06600	030450	*****		29800000
06601	030460	DEBUC 4/83-LRL		29810000
06602	030470	IF SEQUENCE-NUMBER OF NM10REC EQUAL '8299996'		29820000
06603	030480	DISPLAY 'DEBUC-11' OCCURRENCE-CODE-3		29830000
06604	030490	*****		29840000
06605	030500	*****		29850000
06606	030510	IF OCCURRENCE-CODE-3 GREATER THAN 2		29860000
06607	030520	MOVE TURN-ON TO EDIT-ERROR-SW		29870000
06608	030530	MOVE DUPLICATE-INDIV-RECS TO RPT2-ERR-MSG		29880000
06609	030540	PERFORM 179-BUILD-MASTER-ERROR		29890000
06610	030550	ELSE		29900000
06611	030560	IF OCCURRENCE-CODE-3 = 2		29910000
06612	030570	PERFORM 252-EDIT-INDIV-2ND-OCCUR		29920000
06613	030580	ELSE		29930000
06614	030590	IF OCCURRENCE-CODE-3 = 1 AND NOT LINE1		29940000
06615	030600	MOVE TURN-ON TO EDIT-ERROR-SW		29950000
06616	030610	*****		29960000
06617	030620	*****		29970000
06618	030630	*****		29980000
06619	030640	*****		29990000
06620	030650	*****		30000000
06621	030660	*****		30010000
06622	030670	*****		30020000
06623	030680	*****		30030000
06624	030690	*****		30040000
06625	030700	*****		30050000
06626	030710	*****		30060000
06627	030720	*****		30070000
06628	030730	*****		30080000
06629	030740	*****		30090000
06630	030750	*****		30100000
06631	030760	*****		30110000
06632	030770	*****		30120000
06633	030780	*****		30130000
06634	030790	*****		30140000
06635	030800	*****		30150000
06636	030810	*****		30160000
06637	030820	*****		30170000
06638	030830	*****		30180000
06639	030840	*****		30190000

HEX ADDRESS OF VER8S

133 NM100 10.43.12 APR 3.1984

06640	030850*	PERFORM 179-BUILD-MASTER-ERROR.	3020 0000	02F2D0
06641	030860		3021 0000	
06642	030870*		3022 0000	
06643	030880	254-EDIT-INDIV-SC-6.	3023 0000	
06644	030890	MOVE TURN-ON TO EDIT-ERROR-SW.	3024 0000	02F2F6
06645	030900	MOVE INVALID-SPECIES-CODE-6 TO RPT2-ERR-MSG.	3025 0000	02F2FC
06646	030910	PERFORM 179-BUILD-MASTER-ERROR.	3026 0000	02F302
06647	030920*	*****	3027 0000	
06648	030930*	ENTIRE TEST REMOVED PER EPPERLY 2/9/83 LRL	3028 0000	
06649	030940*	IF SEQUENCE-NUMBER OF NM110REC = LAST-SEQ-NBR AND	3029 0000	
06650	030950*	REPLICATE-NUMBER OF NM110REC = LAST-REP-NBR AND	3030 0000	
06651	030960*	SPECIES-GROUP OF NM110REC = LAST-SPECIES-GROUP AND	3031 0000	
06652	030970*	RECORD-TYPE OF NM110REC = LAST-REC-TYPE	3032 0000	
06653	030980*	ADD 1 TO OCCURRENCE-CODE-6	3033 0000	
06654	030990*	ELSE	3034 0000	
06655	031000*	MOVE 1 TO OCCURRENCE-CODE-6.	3035 0000	
06656	031010*	IF OCCURRENCE-CODE-6 GREATER THAN 2	3036 0000	
06657	031020*	MOVE TURN-ON TO EDIT-ERROR-SW	3037 0000	
06658	031030*	MOVE DUPLICATE-INDIV-RECS TO RPT2-ERR-MSG	3038 0000	
06659	031040*	PERFORM 179-BUILD-MASTER-ERROR	3039 0000	
06660	031050*	ELSE	3040 0000	
06661	031060*	IF OCCURRENCE-CODE-6 = 2	3041 0000	
06662	031070*	PERFORM 256-EDIT-INDIV-2ND-OCCUR	3042 0000	
06663	031080*	ELSE	3043 0000	
06664	031090*	IF OCCURRENCE-CODE-6 = 1 AND NOT LINE1	3044 0000	
06665	031100*	MOVE TURN-ON TO EDIT-ERROR-SW	3045 0000	
06666	031110*	MOVE INDIV-LINE-ERR TO RPT2-ERR-MSG	3046 0000	
06667	031120*	*****DEBUC*****	3047 0000	
06668	031130*	DISPLAY 'FIRST OCCURRENCE OF FORMAT 6 AND '	3048 0000	
06669	031140*	'INDIV-LINE-NBR.=' LINE-NUMBER OF NM110REC	3049 0000	
06670	031150*	*****	3050 0000	
06671	031160*	PERFORM 179-BUILD-MASTER-ERROR.	3051 0000	
06672	031170*	IF NOT SPECIES-CODE-3-6-CNT	3052 0000	
06673	031180*	MOVE TURN-ON TO EDIT-ERROR-SW	3053 0000	
06674	031190*	MOVE INDIV-COUNT-ERR TO RPT2-ERR-MSG	3054 0000	
06675	031200*	PERFORM 179-BUILD-MASTER-ERROR.	3055 0000	
06676	031210*		3056 0000	
06677	031220*		3057 0000	
06678	031230*	256-EDIT-INDIV-2ND-OCCUR.	3058 0000	
06679	031240*	IF INDIV-TAG-NBR-R OF NM110REC	3059 0000	
06680	031250*	NOT GREATER THAN SAVE-TAG-NO	3060 0000	
06681	031260*	MOVE TURN-ON TO EDIT-ERROR-SW	3061 0000	
06682	031270*	*****DEBUC*****	3062 0000	
06683	031280*	DISPLAY 'TAG NO=' INDIV-TAG-NBR-R OF NM110REC	3063 0000	
06684	031290*	*****	3064 0000	
06685	031300*	MOVE SAVE-TAG-NO TO ERR-MSG-TAG	3065 0000	
06686	031310*	MOVE TAG-NBR-LESS TO RPT2-ERR-MSG	3066 0000	
06687	031320*	PERFORM 179-BUILD-MASTER-ERROR.	3067 0000	
06688	031330*	IF NOT LINE2	3068 0000	
06689	031340*	MOVE TURN-ON TO EDIT-ERROR-SW	3069 0000	
06690	031350*	*****DEBUC*****	3070 0000	
06691	031360*	DISPLAY 'SECOND OCCURRENCE OF FORMAT 6 AND '	3071 0000	
06692	031370*	'INDIV-LINE-NBR.=' LINE-NUMBER OF NM110REC	3072 0000	
06693	031380*	*****	3073 0000	

134	NH100	10.43.12	APR 3, 1984	HEX ADDRESS OF VERBS
06694	031390*	MOVE INDIV-LINE-ERR TO RPT2-ERR-MSG		30740000
06695	031400*	PERFORM 179-BUILD-MASTER-ERROR.		30750000
06696	031410*	COMPUTE WK-DIF = INDIV-TAG-NBR-R OF NH10REC -		30760000
06697	031420*	SAVE-TAG-NO + 1.		30770000
06698	031430*	IF WK-DIF NOT = SAVE-NUM-SUBSAMPLES		30780000
06699	031440*	MOVE TURN-ON TO EDIT-ERROR-SW		30790000
06700	031450*	MOVE SAVE-NUM-SUBSAMPLES TO ERR-MSG-DIF		30800000
06701	031460*	MOVE TAG-NBR-DISCREP TO RPT2-ERR-MSG		30810000
06702	031470*	PERFORM 179-BUILD-MASTER-ERROR.		30820000
06703	031480*	*****		30830000
06704	031490	258-STRUCTURAL-TEST.		30840000
06705	031500	MOVE TURN-OFF TO STRUC-ERR-SW.		30850000
06706	031510	MOVE MSTR-CONTROL TO WS-CURR-KEY.		02F328
06707	031520			02F32E
06708	031530*	*****		
06709	031540*	*****		
06710	031550*	*****		
06711	031560*	*****		
06712	031570*	*****		
06713	031580	IF (MSTR-INDIV-RECORD OR MSTR-ANNULUS-RECORD		02F334
06714	031590	OR MSTR-REPLIC-RECORD OR MSTR-SPECIES-RECORD		
06715	031600	OR MSTR-TAG-RECAPTURE-RECORD)		
06716	031610	IF WS-CURR-ENVIR-KEY EQUAL SAVE-ENVIR-KEY		02F35C
06717	031620	NEXT SENTENCE		
06718	031630	ELSE		
06719	031640	MOVE TURN-ON TO STRUC-ERR-SW		02F36A
06720	031650	MOVE CHK TO MISSING-ENVIR.		02F370
06721	031660	IF (MSTR-INDIV-RECORD OR MSTR-ANNULUS-RECORD		02F376
06722	031670	OR MSTR-SPECIES-RECORD OR MSTR-TAG-RECAPTURE-RECORD)		
06723	031680	IF WS-CURR-REPLIC-KEY EQUAL SAVE-REPLIC-KEY		02F396
06724	031690	NEXT SENTENCE		
06725	031700	ELSE		
06726	031710	MOVE TURN-ON TO STRUC-ERR-SW		02F3A4
06727	031720	MOVE CHK TO MISSING-REPLIC.		02F3AA
06728	031730*	*****		
06729	031740*	DEBUG 4/83 LRL		
06730	031750*	IF-SEQUENCE-NUMBER OF NH10REC EQUAL '7300068' AND		
06731	031760*	REPLICATE-NUMBER OF NH10REC EQUAL '01' AND		
06732	031770*	SPECIES-GROUP OF NH10REC EQUAL '61890103010'		
06733	031780*	DISPLAY - DEBUG-3 - LINE-NUMBER OF NH10REC *		
06734	031790*	RECORD-TYPE OF NH10REC * * SAVE-INDIV-KEY *		
06735	031800*	WS-CURR-SPECIES-KEY * * SAVE-INDIV-LINE *		
06736	031810*	*****		
06737	031820	IF (MSTR-INDIV-RECORD OR MSTR-ANNULUS-RECORD		02F380
06738	031830	OR MSTR-TAG-RECAPTURE-RECORD)		
06739	031840	IF WS-CURR-SPECIES-KEY EQUAL SAVE-SPECIES-KEY		02F3C8
06740	031850	NEXT SENTENCE		
06741	031860	ELSE		
06742	031870	MOVE TURN-ON TO STRUC-ERR-SW		02F306
06743	031880	MOVE CHK TO MISSING-SPECIES.		02F30C
06744	031890*	*****		
06745	031900*	END-OF-CHANGE BY-EFF		
06746	031910*	*****		
06747	031920*	*****		

135	NW100	10.43.12	APR 3.1984	HEX ADDRESS OF VERBS
06748	031930*	ADDED 4/83 LRL		31170000
06749	031940	IF MSTR-INDIV-RECORD AND WS-CURR-SPECIES-KEY		02F3E2
06750	031950	EQUAL SAVE-INDIV-KEY		31190000
06751	031960	PERFORM 259A-VERIFY-INDIV-STRUC.		02F3F4
06752	031970	IF MSTR-INDIV-RECORD AND WS-CURR-SPECIES-KEY		02F40C
06753	031980	NOT EQUAL SAVE-INDIV-KEY		31210000
06754	031990	PERFORM 259C-VERIFY-INDIV-LINEL.		02F422
06755	032000*CHANGE	MADE 2/84 BY EFF		31230000
06756	032010	IF MSTR-TAG-RECAPTURE-RECORD AND WS-CURR-SPECIES-KEY		02F43A
06757	032020	EQUAL SAVE-TAG-RECAP-KEY		31240000
06758	032030	PERFORM 259B-VERIFY-TAG-RECAP-STRUC.		02F450
06759	032040	IF MSTR-TAG-RECAPTURE-RECORD AND WS-CURR-SPECIES-KEY		02F468
06760	032050	NOT EQUAL SAVE-TAG-RECAP-KEY		31250000
06761	032060	PERFORM 259E-VERIFY-TAG-RECAP-LINEL.		02F47E
06762	032070*END OF	CHANGE EFF		31260000
06763	032080	IF MSTR-ANNULUS-RECORD AND WS-CURR-SPECIES-KEY NOT EQUAL		02F496
06764	032090	SAVE-INDIV-KEY		31280000
06765	032100	PERFORM 259D-MISSING-INDIV-REC.		02F4AC
06766	032110*	IF STRUC-ERR		31290000
06767	032120	PERFORM 260-WRITE-RPT3-STRUC.		31300000
06768	032130			31310000
06769	032140*			02F4C4
06770	032150	259A-VERIFY-INDIV-STRUC.		02F4D0
06771	032160*	EQUAL LINE NUMBERS NOT DETECTED BY CODE 4/83 LRL		31320000
06772	032170*	ERROR *NOT POSSIBLE, EPPERLY 5/83		31330000
06773	032180	IF (LINE-NUMBER-R OF NMLIOREC NUMERIC AND		02F4F2
06774	032190	COMPUTE TEST-SUM = SAVE-INDIV-LINE-NUMERIC)		31340000
06775	032200	IF LINE-NUMBER-R OF NMLIOREC NOT EQUAL TEST-SUM		02F50E
06776	032210	MOVE TURN-ON TO STRUC-ERR-SW		02F524
06777	032220	MOVE CHK TO NON-SEQ-INDIV-REC.		02F53A
06778	032230			02F540
06779	032240*			31420000
06780	032250	259B-VERIFY-TAG-RECAP-STRUC.		31430000
06781	032260*NON-NUMERIC	LINE NUMBERS NOT DETECTED BY CODE 4/83 EFF		31440000
06782	032270	IF LINE-NUMBER OF NMLIOREC EQUAL SAVE-TAG-RECAP-LINE		31450000
06783	032280	MOVE TURN-ON TO STRUC-ERR-SW		02F54C
06784	032290	MOVE CHK TO DUP-TAG-RECAP.		02F556
06785	032300	IF (LINE-NUMBER-R OF NMLIOREC NUMERIC AND		02F55C
06786	032310	COMPUTE TEST-SUM = SAVE-TAG-RECAP-LINE-NUMERIC)		02F562
06787	032320	IF LINE-NUMBER-R OF NMLIOREC NOT EQUAL TEST-SUM		31480000
06788	032330	MOVE TURN-ON TO STRUC-ERR-SW		02F57E
06789	032340	MOVE CHK TO NON-SEQ-INDIV-REC.		02F594
06790	032350			02F5AA
06791	032360*			02F5B0
06792	032370	259C-VERIFY-INDIV-LINEL.		31530000
06793	032380	IF LINE-NUMBER-R OF NMLIOREC NUMERIC		31540000
06794	032390	IF LINE-NUMBER-R OF NMLIOREC NOT EQUAL 1		02F5BC
06795	032400	MOVE TURN-ON TO STRUC-ERR-SW		02F5CA
06796	032410	MOVE CHK TO NON-SEQ-INDIV-REC.		31550000
06797	032420*			02F5D0
06798	032430	259D-MISSING-INDIV-REC.		02F5E0
06799	032440*	EITHER A-MISSING-INDIV-REC OR A INVALID-LINE IN AN ANNULUS		31600000
06800	032450	MOVE TURN-ON TO STRUC-ERR-SW		31610000
06801	032460	MOVE CHK TO MISSING-INDIV-REC.		02F5EC
				02F5F2

HEX ADDRESS OF VERBS

136 NM100 10.43.12 APR 3.1984

06802	032470*		31540000	
06803	032480*ADDED 2784 BY EFF		31540000	
06804	032490 259E-VERIFY-TAG-RECAP-LINEL.		31560000	03F5FE
06805	032500 IF LINE-NUMBER-R OF NM10REC-NUMERIC		31570000	03F60C
06806	032510 IF LINE-NUMBER-R OF NM10REC NOT EQUAL 1		31580000	03F61C
06807	032520 MOVE TURN-ON TO STRUC-ERR-SW		31590000	03F622
06808	032530 MOVE CHK TO NON-SEQ-TAG-RECAPT.		31540000	
06809	032540*END OF ADDITION EFF		31650000	
06810	032550*		31660000	
06811	032560-260-WRITE-RPT3-STRUC.		31670000	03F62E
06812	032570 MOVE SEQUENCE-NUMBER OF NM10REC TO RPT3-SEQ-NBR.		31680000	03F634
06813	032580 MOVE REPLICATE-NUMBER OF NM10REC TO RPT3-REP-NBR.		31690000	03F63A
06814	032590 MOVE SPECIES-CODE OF NM10REC TO RPT3-SPECIES-CODE.		31700000	03F640
06815	032600 MOVE SPECIES-STATUS OF NM10REC TO RPT3-SPECIES-STATUS.		31710000	03F646
06816	032610 MOVE LINE-NUMBER OF NM10REC TO RPT3-LINE-NBR.		31720000	03F64C
06817	032620 IF MSTR-ANNUUS-RFCORD OR MSTR-INDIV-RECORD OR		31730000	
06818	032630 MSTR-SPECIES-RECORD		31740000	03F664
06819	032640 MOVE DASH TO RPT1-DASH		31750000	
06820	032650 ELSE		31760000	03F66E
06821	032660 MOVE SPACES TO RPT1-DASH.		31770000	03F672
06822	032670 IF R3-LINE-CNT GREATER THAN 58		31780000	03F67C
06823	032680 PERFORM 262-WRITE-RPT3-STRUC-HEADING.		31790000	03F694
06824	032690 WRITE STRUC-PRT-LINE FROM REPORT3-DETAIL-LINE		31800000	
06825	032700 AFTER POSITIONING 2.		31810000	03F6DE
06826	032710 MOVE SPACES TO REPORT3-DETAIL-LINE.		31820000	03F6E8
06827	032720 ADD 2 TO R3-LINE-CNT.		31830000	
06828	032730*		31840000	03F6F8
06829	032740-262-WRITE-RPT3-STRUC-HEADING.		31850000	03F702
06830	032750 ADD 1 TO R3-PAGE-CNT.		31860000	03F71A
06831	032760 MOVE R3-PAGE-CNT TO R3-PAGE-NO.		31870000	03F760
06832	032770 WRITE STRUC-PRT-LINE FROM REPORT3-HEAD1-AFTER-POSITIONING 0.		31880000	03F7A6
06833	032780 WRITE STRUC-PRT-LINE FROM REPORT3-HEAD2 AFTER POSITIONING 2.		31900000	
06834	032790 WRITE STRUC-PRT-LINE FROM REPORT3-COL-HEAD1		31910000	03F7EC
06835	032800 AFTER POSITIONING 2.		31920000	03F832
06836	032810 WRITE STRUC-PRT-LINE FROM REPORT3-COL-HEAD2		31940000	
06837	032820 AFTER POSITIONING 1.		31950000	03F878
06838	032830 WRITE STRUC-PRT-LINE FROM REPORT3-COL-HEAD3			
06839	032840 AFTER POSITIONING 1.			
06840	032850 MOVE 6 TO R3-LINE-CNT.			

APR 3, 1984

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

CONDITION, GENERATED, AND INDEX NAMES

APR 3, 1964

10.43.12

MM100

1	DNM=8-379	88	READ-MSTR	DNM=8-379
2	DNM=8-424	88	READ-TRAN	DNM=8-424
3	DNM=8-470	88	WRITE-RPT1	DNM=8-470
4	DNM=9-029	88	WRITE-NEWSTR	DNM=9-029
5	DNM=9-080	88	DUMMY-RO-ON	DNM=9-080
6	DNM=9-105	88	DUMMY-RO-OFF	DNM=9-105
7	DNM=9-154	88	EDIT-ERROR	DNM=9-154
8	DNM=9-175	88	NO-EDIT-ERRORS	DNM=9-175
9	DNM=9-233	88	FOIT-REJECT-ERROR	DNM=9-233
10	DNM=9-286	88	STRUC-EPR	DNM=9-286
11	DNM=9-341	88	DETAIL-LINE-WRITTEN	DNM=9-341
12	DNM=9-403	88	NO-CODE4-DATA-FOUND	DNM=9-403
13	DNM=9-457	88	NO-DECREASE	DNM=9-457
14	DNM=10-000	88	INVALID-GEAR	DNM=10-000
15	DNM=10-054	88	INVALID-STATION	DNM=10-054
16	DNM=10-112	88	STATION-NOT-FOUND	DNM=10-112
17	DNM=10-140	88	STATION-FOUND	DNM=10-140
18	DNM=10-194	88	END-OF-LIST	DNM=10-194
19	DNM=10-245	88	MASTER-ACTION	DNM=10-245
20	DNM=10-304	88	MISSING-DISTANCE	DNM=10-304
21	DNM=10-359	88	EOF-LATIN	DNM=10-359
22	DNM=10-406	88	TAG-MATCHED	DNM=10-406
23	DNM=10-457	88	SPECIES-FOUND	DNM=10-457
24	DNM=11-301	88	SPECIES-CODE-0	DNM=11-301
25	DNM=11-326	88	SPECIES-CODE-1-OR-2	DNM=11-326
26	DNM=11-358	88	SPECIES-CODE-3	DNM=11-358
27	DNM=11-386	88	SPECIES-CODE-4-OR-7	DNM=11-386
28	DNM=11-418	88	SPECIES-CODE-5	DNM=11-418
29	DNM=11-446	88	SPECIES-CODE-6	DNM=11-446
30	DNM=24-367	88	END-OF-TRANS	DNM=24-367
31	DNM=24-392	88	TR-ADD	DNM=24-392
32	DNM=24-408	88	TR-CHANGE	DNM=24-408
33	DNM=24-431	88	TR-DELETE	DNM=24-431
34	DNM=24-454	88	VAL ID-CHANGE-CODE	DNM=24-454
35	DNM=25-000	88	ENVIR-RECORD	DNM=25-000
36	DNM=25-023	88	REPLIC-RECORD	DNM=25-023
37	DNM=25-047	88	SPECIES-RECORD	DNM=25-047
38	DNM=25-072	88	INDIV-RECORD	DNM=25-072
39	DNM=25-095	88	ANNULUS-RECORD	DNM=25-095
40	DNM=25-123	88	DUP-INDIV-RECORD6	DNM=25-123
41	DNM=25-154	88	DUP-INDIV-RECORD7	DNM=25-154
42	DNM=25-185	88	TAG-RECAPTURE-RECORD	DNM=25-185
43	DNM=33-451	88	MSTR-ENVIR-RECORD	DNM=33-451
44	DNM=33-479	88	MSTR-REPLIC-RECORD	DNM=33-479
45	DNM=34-000	88	MSTR-SPECIES-RECORD	DNM=34-000
46	DNM=34-033	88	MSTR-INDIV-RECORD	DNM=34-033
47	DNM=34-064	88	MSTR-ANNULUS-RECORD	DNM=34-064
48	DNM=34-094	88	MSTR-TAG-RECAPTURE-RECORD	DNM=34-094
49	DNM=34-161	88	END-OF-MASTER	DNM=34-161
50	DNM=34-423	88	LINE1	DNM=34-423
51	DNM=34-444	88	LINE2	DNM=34-444
52	DNM=35-196	88	GRID-PROC	DNM=35-196
53	DNM=35-218	88	PROGRAM-001-T0-999	DNM=35-218
54	DNM=35-246	88	PROGRAM-000-T0-699	DNM=35-246
55	DNM=35-277	88	PROGRAM-400-T0-499	DNM=35-277
56	DNM=35-309	88	PROGRAM-600-T0-699	DNM=35-309
57	DNM=35-339	88	PROGRAM-700-T0-799	DNM=35-339
58	DNM=35-367	88	PROGRAM-799-T0-899	DNM=35-367

DN# 35-429	88	PROGRAM-050	DN# 35-429
DN# 35-457	89	PROGRAM-051	DN# 35-457
DN# 36-000	88	PROGRAM-055	DN# 36-000
DN# 36-028	88	PROGRAM-060	DN# 36-028
DN# 36-053	88	PROGRAM-100	DN# 36-053
DN# 36-078	88	PROGRAM-105	DN# 36-078
DN# 36-106	88	PROGRAM-110	DN# 36-106
DN# 36-134	89	PROGRAM-115	DN# 36-134
DN# 36-162	89	PROGRAM-120	DN# 36-162
DN# 36-187	89	PROGRAM-125	DN# 36-187
DN# 36-215	89	PROGRAM-126	DN# 36-215
DN# 36-240	89	PROGRAM-130	DN# 36-240
DN# 36-265	89	PROGRAM-150	DN# 36-265
DN# 36-293	88	PROGRAM-160	DN# 36-293
DN# 36-321	88	PROGRAM-170-OR-180	DN# 36-321
DN# 36-352	89	PROGRAM-175	DN# 36-352
DN# 36-380	89	PROGRAM-300	DN# 36-380
DN# 36-408	89	PROGRAM-320	DN# 36-408
DN# 36-436	88	PROGRAM-330	DN# 36-436
DN# 36-464	88	PROGRAM-340	DN# 36-464
DN# 37-000	88	PROGRAM-350	DN# 37-000
DN# 37-025	89	PROGRAM-400	DN# 37-025
DN# 37-050	88	PROGRAM-410	DN# 37-050
DN# 37-078	89	PROGRAM-420	DN# 37-078
DN# 37-103	89	PROGRAM-421-OR-422	DN# 37-103
DN# 37-134	89	PROGRAM-430-OR-440	DN# 37-134
DN# 37-165	88	PROGRAM-431-OR-441	DN# 37-165
DN# 37-193	85	PROGRAM-432-OR-442	DN# 37-193
DN# 37-224	88	PROGRAM-433-OR-443	DN# 37-224
DN# 37-255	89	PROGRAM-434-OR-444	DN# 37-255
DN# 37-283	88	PROGRAM-435-OR-445	DN# 37-283
DN# 37-314	88	PROGRAM-436-OR-446	DN# 37-314
DN# 37-345	89	PROGRAM-437-OR-447	DN# 37-345
DN# 37-376	89	PROGRAM-438	DN# 37-376
DN# 37-404	88	PROGRAM-450	DN# 37-404
DN# 37-429	88	PROGRAM-460	DN# 37-429
DN# 38-000	88	PROGRAM-500	DN# 38-000
DN# 38-028	89	PROGRAM-510	DN# 38-028
DN# 38-056	89	PROGRAM-530	DN# 38-056
DN# 38-091	89	PROGRAM-540	DN# 38-091
DN# 38-106	89	PROGRAM-550	DN# 38-106
DN# 38-134	89	PROGRAM-610	DN# 38-134
DN# 38-159	89	PROGRAM-615	DN# 38-159
DN# 38-187	89	PROGRAM-618	DN# 38-187
DN# 38-215	89	PROGRAM-620	DN# 38-215
DN# 38-240	89	PROGRAM-630	DN# 38-240
DN# 38-265	89	PROGRAM-650	DN# 38-265
DN# 38-291	88	PROGRAM-660	DN# 38-291
DN# 38-321	88	PROGRAM-670	DN# 38-321
DN# 38-349	88	PROGRAM-680	DN# 38-349
DN# 38-377	89	PROGRAM-690	DN# 38-377
DN# 39-005	89	PROGRAM-700	DN# 39-005
DN# 39-030	89	PROGRAM-705	DN# 39-030
DN# 39-055	89	PROGRAM-710	DN# 39-055
DN# 39-083	88	PROGRAM-715	DN# 39-083
DN# 39-090	89	PROGRAM-720	DN# 39-090
DN# 39-028	88	PROGRAM-725	DN# 39-028
DN# 39-053	88	PROGRAM-730	DN# 39-053
DN# 39-081	88	PROGRAM-735	DN# 39-081

DNM=39-109
DNM=39-137
DNM=39-165
DNM=39-190
DNM=39-218
DNM=39-246
DNM=39-271

DNM=39-109
DNM=39-137
DNM=39-165
DNM=39-190
DNM=39-218
DNM=39-246
DNM=39-271

DNM=39-109
DNM=39-137
DNM=39-165
DNM=39-190
DNM=39-218
DNM=39-246
DNM=39-271

DNM=39-296
DNM=39-321
DNM=40-084
DNM=40-115
DNM=40-288
DNM=40-349
DNM=41-033
DNM=41-068
DNM=41-102
DNM=41-133
DNM=41-167
DNM=41-201
DNM=41-235
DNM=41-266
DNM=41-301
DNM=41-335
DNM=41-369
DNM=41-403
DNM=41-438
DNM=41-476
DNM=42-000
DNM=42-034
DNM=42-065
DNM=42-100
DNM=42-138
DNM=42-172
DNM=42-210
DNM=42-244
DNM=42-282
DNM=42-313
DNM=42-347
DNM=42-381
DNM=42-415

DNM=39-296
DNM=39-321
DNM=40-084
DNM=40-115
DNM=40-288
DNM=40-349
DNM=41-033
DNM=41-068
DNM=41-102
DNM=41-133
DNM=41-167
DNM=41-201
DNM=41-235
DNM=41-266
DNM=41-301
DNM=41-335
DNM=41-369
DNM=41-403
DNM=41-438
DNM=41-476
DNM=42-000
DNM=42-034
DNM=42-065
DNM=42-100
DNM=42-138
DNM=42-172
DNM=42-210
DNM=42-244
DNM=42-282
DNM=42-313
DNM=42-347
DNM=42-381
DNM=42-415

DNM=39-296
DNM=39-321
DNM=40-084
DNM=40-115
DNM=40-288
DNM=40-349
DNM=41-033
DNM=41-068
DNM=41-102
DNM=41-133
DNM=41-167
DNM=41-201
DNM=41-235
DNM=41-266
DNM=41-301
DNM=41-335
DNM=41-369
DNM=41-403
DNM=41-438
DNM=41-476
DNM=42-000
DNM=42-034
DNM=42-065
DNM=42-100
DNM=42-138
DNM=42-172
DNM=42-210
DNM=42-244
DNM=42-282
DNM=42-313
DNM=42-347
DNM=42-381
DNM=42-415

37	DNM=42-457	88	VAL ID-GEAR-FOR-PCM430-440	DNM=42-457	37
38	DNM=43-000	88	VAL ID-GEAR-FOR-PCM431-441	DNM=43-000	38
39	DNM=43-042	88	VAL ID-GEAR-FOR-PCM432-442	DNM=43-042	39
40	DNM=43-081	88	VAL ID-GEAR-FOR-PCM433-443	DNM=43-081	40
41	DNM=43-119	88	VAL ID-GEAR-FOR-PCM434-444	DNM=43-119	41
42	DNM=43-157	88	VAL ID-GEAR-FOR-PCM435-445	DNM=43-157	42
43	DNM=43-192	88	VAL ID-GEAR-FOR-PCM436-446	DNM=43-192	43
44	DNM=43-234	88	VAL ID-GEAR-FOR-PCM437-447	DNM=43-234	44
45	DNM=43-272	88	VAL ID-GEAR-FOR-PCM438	DNM=43-272	45
46	DNM=43-306	88	VAL ID-GEAR-FOR-PCM439	DNM=43-306	46
47	DNM=43-340	88	VAL ID-GEAR-FOR-PCM440	DNM=43-340	47
48	DNM=43-374	88	VAL ID-GEAR-FOR-PCM441	DNM=43-374	48
49	DNM=43-405	88	VAL ID-GEAR-FOR-PCM442	DNM=43-405	49
50	DNM=43-439	88	VAL ID-GEAR-FOR-PCM443	DNM=43-439	50
51	DNM=43-473	88	VAL ID-GEAR-FOR-PCM444	DNM=43-473	51
52	DNM=44-000	88	VAL ID-GEAR-FOR-PCM445	DNM=44-000	52
53	DNM=44-034	88	VAL ID-GEAR-FOR-PCM446	DNM=44-034	53
54	DNM=44-068	88	VAL ID-GEAR-FOR-PCM447	DNM=44-068	54
55	DNM=44-099	88	VAL ID-GEAR-FOR-PCM448	DNM=44-099	55
56	DNM=44-137	88	VAL ID-GEAR-FOR-PCM449	DNM=44-137	56
57	DNM=44-175	88	VAL ID-GEAR-FOR-PCM450	DNM=44-175	57
58	DNM=44-210	88	VAL ID-GEAR-FOR-PCM451	DNM=44-210	58
59	DNM=44-248	88	VAL ID-GEAR-FOR-PCM452	DNM=44-248	59
60	DNM=44-286	88	VAL ID-GEAR-FOR-PCM453	DNM=44-286	60
61	DNM=44-320	88	VAL ID-GEAR-FOR-PCM454	DNM=44-320	61
62	DNM=44-355	88	VAL ID-GEAR-FOR-PCM455	DNM=44-355	62
63	DNM=44-389	88	VAL ID-GEAR-FOR-PCM456	DNM=44-389	63
64	DNM=44-420	88	VAL ID-GEAR-FOR-PCM457	DNM=44-420	64
65	DNM=44-454	88	VAL ID-GEAR-FOR-PCM458	DNM=44-454	65
66	DNM=45-000	88	VAL ID-GEAR-FOR-PCM459	DNM=45-000	66
67	DNM=45-034	88	VAL ID-GEAR-FOR-PCM460	DNM=45-034	67
68	DNM=45-072	88	VAL ID-GEAR-FOR-PCM461	DNM=45-072	68
69	DNM=45-106	88	VAL ID-GEAR-FOR-PCM462	DNM=45-106	69
70	DNM=45-140	88	VAL ID-GEAR-FOR-PCM463	DNM=45-140	70
71	DNM=45-171	88	VAL ID-GEAR-FOR-PCM464	DNM=45-171	71
72	DNM=45-202	88	VAL ID-GEAR-FOR-PCM465	DNM=45-202	72
73	DNM=45-236	88	VAL ID-GEAR-FOR-PCM466	DNM=45-236	73
74	DNM=45-274	88	VAL ID-GEAR-FOR-PCM467	DNM=45-274	74
75	DNM=45-312	88	VAL ID-GEAR-FOR-PCM468	DNM=45-312	75
76	DNM=45-350	88	VAL ID-GEAR-FOR-PCM469	DNM=45-350	76
77	DNM=45-384	88	VAL ID-GEAR-FOR-PCM470	DNM=45-384	77
78	DNM=45-418	88	VAL ID-GEAR-FOR-PCM471	DNM=45-418	78
79	DNM=45-456	88	VAL ID-GEAR-FOR-PCM472	DNM=45-456	79
80	DNM=49-228	88	SPECIES-CODE3-6-CNT	DNM=49-228	80
81	DNM=50-266	88	AGE-STATUS-2	DNM=50-266	81
82	DNM=54-401	88	CNVT-SDN-15-ZERO	DNM=54-401	82

179	DNM=54-461	88	CNVT-JULIAN5-15-ZERO	DNM=54-461	
180	DNM=55-104	88	CNVT-JULIAN7-15-ZERO	DNM=55-104	
181	DNM=55-238	88	CNVT-MDY6-15-ZERO	DNM=55-238	
182	DNM=55-388	88	CNVT-MDY8-15-ZERO	DNM=55-388	
183	DNM=56-060	88	CNVT-YMD6-15-ZERO	DNM=56-060	
184	DNM=56-213	88	CNVT-YMD8-15-ZERO	DNM=56-213	
185	DNM=57-282	88	CVT-SOH-15-ZERO	DNM=57-282	
186	DNM=57-337	88	CVT-JULIAN5-15-ZERO	DNM=57-337	
187	DNM=57-467	88	CVT-JULIAN7-15-ZERO	DNM=57-467	
188	DNM=58-098	88	CVT-MDY6-15-ZERO	DNM=58-098	
189	DNM=58-246	88	CVT-MDY8-15-ZERO	DNM=58-246	
190	DNM=58-419	88	CVT-YMD6-15-ZERO	DNM=58-419	
191	DNM=59-070	88	CVT-YMD8-15-ZERO	DNM=59-070	
192	DNM=60-289	88	END-OF-FNVIR-PRELOAD	DNM=60-289	
193	DNM=61-226		EPL-IX	DNM=61-226	INDEX-NM
194	DNM=62-401		LATIN-INDEX	DNM=62-401	INDEX-NM
195	DNM=63-279		TAG-INDEX	DNM=63-279	INDEX-NM
196	DNM=74-386	88	LAST-TYPE-ENVIR	DNM=74-386	
197	DNM=74-412	88	LAST-TYPE-REPLIC	DNM=74-412	
198	DNM=74-439	88	LAST-TYPE-SPECIES	DNM=74-439	
199	DNM=74-470	88	LAST-TYPE-INDIV	DNM=74-470	
200	DNM=75-000	88	LAST-TYPE-ANNULUS	DNM=75-000	
201	DNM=75-031	88	LAST-TYPE-TAG-RECAPT	DNM=75-031	
202	DNM=123-215		LOC-1-IX	DNM=123-215	INDEX-NM
203	DNM=123-296		STA-1-IX	DNM=123-296	INDEX-NM
204	DNM=144-061		LOC-2-IX	DNM=144-061	INDEX-NM
205	DNM=144-144		STA-2-IX	DNM=144-144	INDEX-NM
206	DNM=146-369		LOC-3-IX	DNM=146-369	INDEX-NM
207	DNM=146-453		STA-3-IX	DNM=146-453	INDEX-NM
208					
209					
210					
211					
212					
213					
214					
215					
216					
217					
218					
219					
220					
221					
222					
223					
224					
225					
226					
227					
228					
229					
230					
231					
232					
233					
234					
235					
236					
237					
238					
239					
240					
241					
242					
243					
244					
245					
246					
247					
248					
249					
250					
251					
252					
253					
254					
255					
256					
257					

NM100 10-43.12 APR 3, 1984

MEMORY MAP

1	TGT	267A8
2		
3		
4		
5	SAVE AREA	267AB
6	SWITCH	267FC
7	TALLY	267FA
8		
9	SORT SAVE	267F8
10		
11	ENTRY-SAVE	267FC
12		
13	SORT CORE SIZE	26800
14		
15	RET CODE	26804
16		
17	SORT RET	26806
18		
19	WORKING CELLS	26809
20		
21	SORT FILE SIZE	2693A
22		
23	SORT MODE SIZE	2693C
24		
25	PGT-VN TBL	26940
26		
27	TGT-VN TBL	26944
28		
29	RESERVED	26948
30		
31	LENGTH OF VN TBL	2694C
32		
33	LABEL RET	2694E
34		
35	RESERVED	2694F
36		
37	DBG R14SAVE	26950
38		
39	COROL INDICATOR	26954
40		
41	ACTIVITY	26958
42		
43	DEBUT TABLE PTR	2695C
44		
45	SURCOM PTR	26960
46		
47	SORT-MESSAGE	26964
48		
49	SYSOUT DONANE	2696C
50		
51	RESERVED	2696D
52		
53	COROL ID	2696F
54		
55	COMPILED POINTER	26970
56		
57	COUNT TABLE ADDRESS	26974
58		
59	RESERVED	26978
60		
61	DBG R14SAVE	26980
62		
63	COUNT CHAIN ADDRESS	26984
64		
65	PRBL CELL PTR	26988
66		
67	RESERVED	2698C
68		
69	TA LENGTH	26991
70		
71	RESERVED	26994
72		
73	PCS LIT PTR	2699C
74		
75	DEREGGING	269A0
76		
77	GO-FOR-INITIAL-INPUT	269A4
78		
79	OVERFLOW CELLS	269A8
80		
81	BL CELLS	269A9
82		
83	DECRAPR CELLS	26A60
84		
85	FIB CELLS	26A60
86		
87	TEMP STORAGE	26A68
88		
89	TEMP STORAGE-2	26A78
90		
91	TEMP STORAGE-3	26A90
92		
93	TEMP STORAGE-4	26A90
94		
95	9LL CELLS	26AA0
96		
97	VLC CELLS	26AAC
98		
99		
100		
101		
102		
103		
104		
105		
106		
107		
108		
109		
110		
111		
112		
113		
114		
115		
116		
117		
118		
119		
120		
121		
122		
123		
124		
125		
126		
127		
128		
129		
130		
131		
132		
133		
134		
135		
136		
137		
138		
139		
140		
141		
142		
143		
144		
145		
146		
147		
148		
149		
150		
151		
152		
153		
154		
155		
156		
157		
158		
159		
160		
161		
162		
163		
164		
165		
166		
167		
168		
169		
170		
171		
172		
173		
174		
175		
176		
177		
178		
179		
180		
181		
182		
183		
184		
185		
186		
187		
188		
189		
190		
191		
192		
193		
194		
195		
196		
197		
198		
199		
200		
201		
202		
203		
204		
205		
206		
207		
208		
209		
210		
211		
212		
213		
214		
215		
216		
217		
218		
219		
220		
221		
222		
223		
224		
225		
226		
227		
228		
229		
230		
231		
232		
233		
234		
235		
236		
237		
238		
239		
240		
241		
242		
243		
244		
245		
246		
247		
248		
249		
250		
251		
252		
253		
254		
255		
256		
257		
258		
259		
260		
261		
262		
263		
264		
265		
266		
267		
268		
269		
270		
271		
272		
273		
274		
275		
276		
277		
278		
279		
280		
281		
282		
283		
284		
285		
286		
287		
288		
289		
290		
291		
292		
293		
294		
295		
296		
297		
298		
299		
300		
301		
302		
303		
304		
305		
306		
307		
308		
309		
310		
311		
312		
313		
314		
315		
316		
317		
318		
319		
320		
321		
322		
323		
324		
325		
326		
327		
328		
329		
330		
331		
332		
333		
334		
335		
336		
337		
338		
339		
340		
341		
342		
343		
344		
345		
346		
347		
348		
349		
350		
351		
352		
353		
354		
355		
356		
357		
358		
359		
360		
361		
362		
363		
364		
365		
366		
367		
368		
369		
370		
371		
372		
373		
374		
375		
376		
377		
378		
379		
380		
381		
382		
383		
384		
385		
386		
387		
388		
389		
390		
391		
392		
393		
394		
395		
396		
397		
398		
399		
400		
401		
402		
403		
404		
405		
406		
407		
408		
409		
410		
411		
412		
413		
414		
415		
416		
417		
418		
419		
420		
421		
422		
423		
424		
425		
426		
427		
428		
429		
430		
431		
432		
433		
434		
435		
436		
437		
438		
439		
440		
441		
442		
443		
444		
445		
446		
447		
448		
449		
450		
451		
452		
453		
454		
455		
456		
457		
458		
459		
460		
461		
462		
463		
464		
465		
466		
467		
468		
469		
470		
471		
472		
473		
474		
475		
476		
477		
478		
479		
480		
481		
482		
483		
484		
485		
486		
487		
488		
489		
490		
491		
492		
493		
494		
495		
496		
497		
498		
499		
500		
501		
502		
503		
504		
505		
506		
507		
508		
509		
510		
511		
512		
513		
514		
515		
516		
517		
518		
519		
520		
521		
522		
523		
524		
525		
526		
527		
528		
529		
530		
531		
532		
533		
534		
535		
536		
537		
538		
539		
540		
541		
542		
543		
544		
545		
546		
547		
548		
549		
550		
551		
552		
553		
554		
555		
556		
557		
558		
559		
560		
561		
562		
563		
564		
565		

PFMSAV CELLS
VAL CELLS

26A54
26008

SAVE AREA #2 270C0
SAVE AREA #3 270C0
XSASW CELLS 270D8
XSA CELLS 270D0
PARAM CELLS 270FC
RPTSAV AREA 27158
CHECKPT CTR 27158

LITERAL POOL (HEX)

27528 (LIT+01) 002E1C00 01000001 000E0000 00000007 00080007 00000009
27560 (LIT+24) 01A001AB 00000069 40202068 20212060 20682020 20682021
27558 (LIT+48) 20046C70 0C799C69 9C800C99 9C050C91 1C200C05 1C531C94
27570 (LIT+72) 0C420C05 5C556C59 0C213C30 0C503C06 0C100C31 1C530C53
27580 (LIT+96) 8C212C13 0C535C10 5C645C11 5C245C06 5C245C06 5C120C33
275A0 (LIT+120) 0C240C21 0C211C55 7C558C12 5C126C15 0C230C22 0C250C96
275B0 (LIT+144) 0C390C24 7C160C60 0C170C1A 0C351C35 2C353C53 2C570C57
275D0 (LIT+168) 4C552C92 6C950C92 5C920C83 5C175C32 0C340C35 0C400C22
275E8 (LIT+192) 2C232C24 2C421C42 2C410C43 0C440C11 7C415C43 1C441C43
27600 (LIT+216) 2C442C43 3C443C41 0C534C55 3C554C57 2C434C44 4C435C44
27618 (LIT+240) 5C436C44 6C437C44 7C438C42 4C412C11 8C450C46 0C470C11
27630 (LIT+264) 1C575C74 0C560C31 0C536C54 0C610C75 4C830C61 5C805C61
27648 (LIT+288) 8C620C74 6C630C76 6C659C75 8C660C81 1C670C68 0C690C71
27660 (LIT+312) 3C810C23 1C515C70 5C710C71 5C720C11 9C411C41 3C421C72
27678 (LIT+336) 5C730C73 5C745C75 0C755C76 0C765C77 0C775C49 9C930C00
27690 (LIT+360) 15000C09 0C91E609 99999999 999CF020 21202048 202020F0
276AA (LIT+384) F0F0F0F0 F0F0F0F0 F0F0F0F0 000F0001 00000003 0001F03
276C0 (LIT+408) 00020B88 00000006 F0F1F9F9 F9F9F9F9 F9058C40 20202021
276D8 (LIT+432) 20005F0 F0F1006F F20409E3 04F2C740 E20409E3 40C6C9C5
276F0 (LIT+456) 02CA277E 40F0F0F0 F368F0F2 F368C3C8 68C168F0 F0F0F268
2770A (LIT+480) F0F0F168 C3C869C1 68F0F0F0 F168F0F0 C5C30609 C440E3E8
27720 (LIT+504) 00000000 00000000 00000000 00004009 00004009 10000000
27738 (LIT+528) 07C57EC6 6803C5D5 C7E3C87C 4D0F0F01 F2F85D40 10000000
27750 (LIT+552) 1C000000 00481400 000C008A C1C1E9E9 F2F8F0F0 F0F0F0F0
2776A (LIT+576) F0F0F4F0 F0F0F0F0 F0F0F0F0 F2F3F0F0 C5C1E2C1 04D703C5
27780 (LIT+600) 09C1E3C9 060540D6 0940C1D9 C5C1E2C1 40E2C9E9 40E2C9E9
27798 (LIT+624) C5404040 40C3D8D3 03C5C3E3 40E2C9E9 C5404040 E2E4C2E2
277R0 (LIT+648) C104D7D3 C540C3D6 E405E3E3 04E3C1D3 40C3D6E4 D9E3E2C1
277C8 (LIT+672) 04D703C5 40E6C5C9 C7C8E3E2 C4C2E2C1 04D740F6 CTC8E340
277E0 (LIT+696) E3D6E3C1 D340E6C5 C9C7C8E3 C4C1E3C5 C3D5E5E3

DISPLAY LITERALS (ACD)

277E4 (LIT+716) *SEQUENCE ERROR OR DUPLICATE ENTRY IN PRELOAD FILE. PREVA
2782C (LIT+772) *IOUS ENTRY WAS. CURRENT ENTRY IS PROGRAM ABENDED BECAU
27864 (LIT+828) *SE OF SORT RETURN CODE THERE WERE ENTRIES LOADED INTO T*
2789C (LIT+884) *HE SPECIES-NAME TABLE FROM-MFSP. TABLE CAPACITY FOR-N*
27904 (LIT+940) *FSPP REACHED AT 427 RECORDS - NO FURTHER RECORDS WILL BE*
2790C (LIT+996) * INPUT - ERRORS MAY RESULT END OF NM100 RECAPTURES EXCE*
27944 (LIT+1052) *ED 3000.*

PGT

27160
27160
27160
27164
2719C
2720C
2720C
2721C
2723C
27528
27528
2794C
2794C

DEBUG LINKAGE AREA
OVERFLOW CELLS
VIRTUAL CELLS
VIRTUAL ERCDIC NAMES
PROCEDURE NAME CELLS
GENERATED NAME CELLS
DCR ADDRESS CELLS
VNI CELLS
LITERALS
DISPLAY LITERALS
PROCEDURE BLOCK CELLS

REGISTER ASSIGNMENT

REG 6 BL = 10
REG 7 BL = 9
REG 8 BL = 28
REG 9 BL = 27
REG 10 BL = 15

WORKING-STORAGE STARTS AT LOCATION 000A0 FOR A LENGTH OF 25E28.

PROCEDURE BLOCK ASSIGNMENT

09L = REG 11

PRL = 1 STARTS AT LOCATION 027970 STATEMENT 4549
PRL = 2 STARTS AT LOCATION 028798 STATEMENT 4787
PRL = 3 STARTS AT LOCATION 029552 STATEMENT 4992
PRL = 4 STARTS AT LOCATION 02A3E4 STATEMENT 5216
PRL = 5 STARTS AT LOCATION 02B3A4 STATEMENT 5294
PRL = 6 STARTS AT LOCATION 02C19A STATEMENT 5482
PRL = 7 STARTS AT LOCATION 02D02E STATEMENT 5693
PRL = 8 STARTS AT LOCATION 02DE8A STATEMENT 6063
PRL = 9 STARTS AT LOCATION 02ECC4 STATEMENT 6444

LIST OF VERBS GENERATING OUT OF LINE CODE

APR 3, 1984

10-43.12

NM100

5513 UNSTRNG 02F894

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
70	
71	
72	
73	
74	
75	

STATISTICS SOURCE RECORDS = 6840 DATA DIVISION STATEMENTS = 3906 PROCEDURE DIVISION STATEMENTS = 1286
OPTIONS IN EFFECT SIZE = 262144 BUF = 30720 LINECT = 54 SPACE1, FLAGH, SEQ, SOURCE
OPTIONS IN EFFECT DMAP, NMAP, CLIST, SUPMAP, NOXREF, SXREF, LOAD, NODCK, APOST, NOTRUNC, NOFLOW
OPTIONS IN EFFECT NOTERM, NONUM, NOBATCH, NONAME, COMPILE=01, NOSTATE, RESIDENT, NODYNAM, NOLIB, CSYNTAX
OPTIONS IN EFFECT OPTIMIZE, NOSYNOP, NOTEST, VERB, ZMB, SYST, NOENDJOB, NOLVL
OPTIONS IN EFFECT NOLST, NODCK, NODCK, LCOL2, L120, DUMP, NOADV, NOPRINT
OPTIONS IN EFFECT NOCOUNT, NOVBSUM, NOVBRF, LANGLVL(2)

DATA NAME REFERENCE LIST

APR 3, 1984

10.43.12

NM100

DATA NAME	DEFN	REFERENCES	DATA NAME	DEFN	REFERENCES
ADJUST-TERM-DATE	1424	6050-6055	ANL-DISTANCE29	0763	4926 4928 5164
AGE-CONFLICT	1624	5854	ANL-DISTANCE29	1168	5164
AGE-LT-SPAN-MARK	1560	5892	ANL-DISTANCE3	0737	4822 4824 5164
AGE-STATUS-2	1122	6554	ANL-DISTANCE3	1142	5164
ANL-AGE	0728	4806 4807 5164	ANL-DISTANCE30	0764	4930 4932 5164
ANL-AGE	1133	5164	ANL-DISTANCE30	1169	5164
ANL-AGE-R	1134	5820 5830 5851-5852	ANL-DISTANCE4	0738	4826 4828 5164
ANL-DIST	1171	5758 5775 5776 5778 5791	ANL-DISTANCE4	1143	5164 4832 5164
ANL-DIST	1171	5793 5817 5878 5883	ANL-DISTANCE5	0739	4830 4832 5164
ANL-DIST-ERRR	1537	5828	ANL-DISTANCE5	1144	5164
ANL-DISTANCE1	0735	4814 4816 5164	ANL-DISTANCE6	0740	4834 4836 5164
ANL-DISTANCE1	1140	5164	ANL-DISTANCE6	1145	5164
ANL-DISTANCE10	0744	4950 4852 5264	ANL-DISTANCE7	0741	4838 4840 5164
ANL-DISTANCE10	1149	5164	ANL-DISTANCE7	1146	5164
ANL-DISTANCE11	0745	4854 4856 5164	ANL-DISTANCE8	0742	4842 4844 5164
ANL-DISTANCE11	1150	5164	ANL-DISTANCE8	1147	5164
ANL-DISTANCE12	0746	4858	ANL-DISTANCE9	0743	4846 4848 5164
ANL-DISTANCE13	0747	4862 4864 5164	ANL-DISTANCE9	1148	5164
ANL-DISTANCE13	1152	5164	ANL-LTH-TO-EDGE	0730	4799 4801 4804 4805 5164
ANL-DISTANCE14	0748	4866 4868 5164	ANL-LTH-TO-EDGE-ERR	1135	5164 5788 5820
ANL-DISTANCE14	1153	5164	ANL-LTH-TO-EDGE-R	1558	5799
ANL-DISTANCE15	0749	4870 4872 5164	ANL-MARGIN-INCR	0732	4809 4811 5164
ANL-DISTANCE15	1154	5164	ANL-MARGIN-INCR	1137	5164 5788
ANL-DISTANCE16	0750	4874 4876 5164	ANL-MARGIN-INCR-R	1138	5774 5778 5786 5793 5796
ANL-DISTANCE16	1155	5164	ANL-SPWN	1665	5870
ANL-DISTANCE17	0751	4878 4880 5164	ANLULUS-RECORD	0609	4615 5163 6087
ANL-DISTANCE17	1156	5164	ARRANGE-HOLD-AREA	1412	5022 5025
ANL-DISTANCE18	0752	4882 4884 5164	ARRANGE-LAST	1417	5011 5021 5030 5031
ANL-DISTANCE18	1157	5164	ARRANGE-LIMIT	1416	5007 5017 5031
ANL-DISTANCE19	0753	4886 4888 5164	ARRANGE-SSI	1414	5011 5015 5019 5021 5022
ANL-DISTANCE19	1158	5164	ARRANGE-SS2	1415	5023
ANL-DISTANCE20	0754	4890 4892 5164	ARRANGE-SS2	1415	5012 5016 5017 5019 5023
ANL-DISTANCE20	1159	5164	CAUSE-ABEND	0110	4594 4596 5926
ANL-DISTANCE21	0755	4894 4896 5164	CHK	0117	6720 6743 6778 6784
ANL-DISTANCE21	1160	5164	CNV7-ALPHA-48BRY	1268	5982
ANL-DISTANCE22	0756	4898 4900 5164	CNV7-ALPHA-DATE	1278	5982
ANL-DISTANCE22	1161	5164	CNV7-DAY-OF-THE-WEEK	1282	5982
ANL-DISTANCE23	0757	4902 4904 5164	CNV7-JULIAN5	1224	5982
ANL-DISTANCE23	1162	5164	CNV7-JULIAN7	1230	5982
ANL-DISTANCE24	0758	4906 4908 5164	CNV7-MDY6	1236	5982
ANL-DISTANCE24	1163	5164	CNV7-MDY8	1243	5982
ANL-DISTANCE25	0759	4910 4912 5164	CNV7-SON	1222	5982 5992 5995 6057
ANL-DISTANCE25	1164	5164	CNV7-YMD6	1252	5982 5993 6055
ANL-DISTANCE26	0760	4914 4916 5164	CNV7-YMD8	1259	5982
ANL-DISTANCE26	1165	5164	CODE4-DATA-FOUND-SM	0154	6400 6582
ANL-DISTANCE27	0761	4918 4920 5164	COLLECT-SIZ	1463	5496
ANL-DISTANCE27	1166	5164	CONV-LEN	0212	5793 5796 5797
ANL-DISTANCE28	0762	4922 4924 5164	CONVERT-FIELD	1385	5471 5475 5510 5513 5570
ANL-DISTANCE28	1167	5164			

AM100

DATA NAME	DEFN	REFERENCES	DATA NAME	DEFN	REFERENCES
CONVERTED-DECIMAL-12	1387	5579-5588	EDIT-REJECT-ERROR-SW	0148	5823 5827 5847 5853
DASH	0118	5582 5591	END-OF-ENVIR-PRELOAD	1360	5868 5902 5966 5974 6005
DATE-MODIFIED	1063	5239	END-OF-LIST	0166	6011 6028 6035 6043 6059
DATE-MODIFIED	1072	5244	END-OF-LIST-SW	0165	6220 6290 6314 6342 6382
DATE-MODIFIED	1098	5249	END-OF-MASTER	0801	6390 6424 6437 6450 6463
DATE-MODIFIED	1131	5254	END-OF-TRANS	0599	6523 6532 6534 6561 6569
DATE-MODIFIED	1176	5259	ENVIR-AIR-TEMP	0651	6607 6615 6623 6630 6635
DATE-MODIFIED	1201	5264	ENVIR-AIR-TEMP	1043	6644
DATE-PROGRAM	0128	5986 5987	ENVIR-ALLOWED-ACT	0668	5188 5223
DATE-REC-REC-9-ERROR	1626	6008 6062	ENVIR-ALLOWED-ACT	1080	4567 4581
DATE-REC-REC-9-ERROR	1219	5987	ENVIR-ALPHA-GRID	0938	5445 5453
DATE-REC-REC-9-ERROR	1702	6036	ENVIR-ALPHA-GRID	0919	0165 5369 5462 5468
DATE-REC-REC-9-ERROR	0775	4940	ENVIR-ALPHA-GRID	0661	0801 4948 5073 5096
DATE-REC-REC-9-ERROR	1194	4942 5167	ENVIR-ALPHA-GRID	0512	4574 4620 4968 5073
DATE-REC-REC-9-ERROR	1194	5167 6017 6030 6033 6036	ENVIR-ALPHA-GRID	1053	5152
DATE-REC-REC-9-ERROR	0294	5393	ENVIR-ALPHA-GRID	0658	5152
DATE-REC-REC-9-ERROR	0295	5417	ENVIR-ALPHA-GRID	1050	5152
DATE-REC-REC-9-ERROR	0296	5419	ENVIR-BOTTOM-DO	0649	4722 4723 5152
DATE-REC-REC-9-ERROR	0297	5421	ENVIR-BOTTOM-DO	1041	5152
DATE-REC-REC-9-ERROR	0298	5423	ENVIR-BOTTOM-DO	0655	5152
DATE-REC-REC-9-ERROR	0299	5424	ENVIR-BOTTOM-DO	1047	5152
DATE-REC-REC-9-ERROR	0300	5425	ENVIR-BOTTOM-DO	0653	5152
DATE-REC-REC-9-ERROR	0301	5426	ENVIR-BOTTOM-DO	1045	5152
DATE-REC-REC-9-ERROR	0302	5427	ENVIR-BOTTOM-DO	0648	4720 4721 5152
DATE-REC-REC-9-ERROR	0303	5428	ENVIR-BOTTOM-DO	1040	5152
DATE-REC-REC-9-ERROR	0304	5429	ENVIR-BOTTOM-DO	0656	5152
DATE-REC-REC-9-ERROR	0305	5430	ENVIR-BOTTOM-DO	1048	5152
DATE-REC-REC-9-ERROR	0306	5431	ENVIR-BOTTOM-DO	0664	5152
DATE-REC-REC-9-ERROR	0307	5432	ENVIR-BOTTOM-DO	1056	5152
DATE-REC-REC-9-ERROR	0308	5433	ENVIR-BOTTOM-DO	0665	5152
DATE-REC-REC-9-ERROR	0309	5434	ENVIR-BOTTOM-DO	1057	5152
DATE-REC-REC-9-ERROR	0310	5435	ENVIR-BOTTOM-DO	0629	5152
DATE-REC-REC-9-ERROR	0311	5436	ENVIR-BOTTOM-DO	0898	5152
DATE-REC-REC-9-ERROR	0312	5437	ENVIR-BOTTOM-DO	0650	4724 4725 5152
DATE-REC-REC-9-ERROR	0313	5438	ENVIR-BOTTOM-DO	1042	5152
DATE-REC-REC-9-ERROR	0314	5439	ENVIR-BOTTOM-DO	1651	5405
DATE-REC-REC-9-ERROR	0315	5440	ENVIR-BOTTOM-DO	1647	5407
DATE-REC-REC-9-ERROR	0316	5441	ENVIR-BOTTOM-DO	0923	5152 5392 5393 5402 5403
DATE-REC-REC-9-ERROR	0317	5442	ENVIR-BOTTOM-DO	0640	5152
DATE-REC-REC-9-ERROR	0318	5443	ENVIR-BOTTOM-DO	0922	5152
DATE-REC-REC-9-ERROR	0319	5444	ENVIR-BOTTOM-DO	0643	4710
DATE-REC-REC-9-ERROR	0320	5445	ENVIR-BOTTOM-DO	1035	5152
DATE-REC-REC-9-ERROR	0321	5446	ENVIR-BOTTOM-DO	0644	4712 4713 5152
DATE-REC-REC-9-ERROR	0322	5447	ENVIR-BOTTOM-DO	1036	5152
DATE-REC-REC-9-ERROR	0323	5448	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0324	5449	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0325	5450	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0326	5451	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0327	5452	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0328	5453	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0329	5454	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0330	5455	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0331	5456	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0332	5457	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0333	5458	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0334	5459	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0335	5460	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0336	5461	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0337	5462	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0338	5463	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0339	5464	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0340	5465	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0341	5466	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0342	5467	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0343	5468	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0344	5469	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0345	5470	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0346	5471	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0347	5472	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0348	5473	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0349	5474	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0350	5475	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0351	5476	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0352	5477	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0353	5478	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0354	5479	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0355	5480	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0356	5481	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0357	5482	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0358	5483	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0359	5484	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0360	5485	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0361	5486	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0362	5487	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0363	5488	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0364	5489	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0365	5490	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0366	5491	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0367	5492	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0368	5493	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0369	5494	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0370	5495	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0371	5496	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0372	5497	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0373	5498	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0374	5499	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0375	5500	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0376	5501	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0377	5502	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0378	5503	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0379	5504	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0380	5505	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0381	5506	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0382	5507	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0383	5508	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0384	5509	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0385	5510	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0386	5511	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0387	5512	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0388	5513	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0389	5514	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0390	5515	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0391	5516	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0392	5517	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0393	5518	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0394	5519	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0395	5520	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0396	5521	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0397	5522	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0398	5523	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0399	5524	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0400	5525	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0401	5526	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0402	5527	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0403	5528	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0404	5529	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0405	5530	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0406	5531	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0407	5532	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0408	5533	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0409	5534	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0410	5535	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0411	5536	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0412	5537	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0413	5538	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0414	5539	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0415	5540	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0416	5541	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0417	5542	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0418	5543	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0419	5544	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0420	5545	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0421	5546	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0422	5547	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0423	5548	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0424	5549	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0425	5550	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0426	5551	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0427	5552	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0428	5553	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0429	5554	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0430	5555	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0431	5556	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0432	5557	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0433	5558	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0434	5559	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0435	5560	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0436	5561	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0437	5562	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0438	5563	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0439	5564	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0440	5565	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0441	5566	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0442	5567	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0443	5568	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0444	5569	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0445	5570	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0446	5571	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0447	5572	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0448	5573	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0449	5574	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0450	5575	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0451	5576	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0452	5577	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0453	5578	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0454	5579	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0455	5580	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0456	5581	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0457	5582	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0458	5583	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0459	5584	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0460	5585	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0461	5586	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0462	5587	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0463	5588	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0464	5589	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0465	5590	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0466	5591	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0467	5592	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0468	5593	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0469	5594	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0470	5595	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0471	5596	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0472	5597	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0473	5598	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0474	5599	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0475	5600	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0476	5601	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0477	5602	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0478	5603	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0479	5604	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0480	5605	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0481	5606	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0482	5607	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0483	5608	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0484	5609	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0485	5610	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0486	5611	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0487	5612	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0488	5613	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0489	5614	ENVIR-BOTTOM-DO		
DATE-REC-REC-9-ERROR	0490				

DATA NAME REFERENCE LIST

10.43.12 APR 3, 1984

NM100

DATA NAME	DEFN	REFERENCES	DATA NAME	DEFN	REFERENCES
ENVIR-GEAR-PARM3	0645	4714 4715 5152	EOF-LATIN	0172	4977
ENVIR-GEAR-PARM3	1037	5152	EOF-LATIN-SM	0171	4992 5004
ENVIR-GEAR-TYPE	0642	4691 4693 4701 4708 4709	EPL-IX	1377	4566 4569 4586 4588 4597
ENVIR-GEAR-TYPE	0924	5152 5412	ERR-DAYS-DIFF	1639	6029
ENVIR-GEAR-TYPE-R	0925	5366	ERR-DAYS-OUT	1637	6030
ENVIR-GRID	0916	5272	ERR-DISTANCE-TRAVELED	1710	5975
ENVIR-LATITUDE	0632	5152	ERR-ENVIR-DATE	1630	6007 6061
ENVIR-LATITUDE	0912	5152	ERR-MSG-CODE	1517	6291 6562
ENVIR-LOC-NOT-FOUND	1608	5381	ERR-MSG-GRID	1469	5272
ENVIR-LONGITUDE	0633	5152	ERR-MSG-LTH	1526	6631
ENVIR-LONGITUDE	0913	5152	ERR-MSG-REPS	1454	6308
ENVIR-NON-ZERO-GEAR	1653	5413	ERR-MSG-SPECS	1477	6336
ENVIR-NUMBER-REPLIC	0669	5152	ERR-MSG-SUBSAM	1536	6374
ENVIR-NUMBER-REPLIC	1061	5152 5409 6260	ERR-PRT-LINE	0081	6135 6141 6146 6153 6154
ENVIR-NUMBER-GRID	0637	5152	ERR-RECAPT-DATE	1632	6006 6060
ENVIR-NUMBER-GRID	0917	5152	ERR-SPE-CNTR	1685	6426 6439 6452 6465
ENVIR-NO-GEAR	1657	5412	ERR-TAG-CNTR	1683	6425 6438 6451 6464
ENVIR-PH	1051	5152	ERR-TAG-TYPE	1677	5967
ENVIR-PH	0028	4561 4572 4579	ERR-TAG-TYPX	1687	6427 6440 6453 6466
ENVIR-PRELOAD-FILE	0046	4579	ERROR-RPT	0034	6153 6154 6155 6157 6146
ENVIR-PRELOAD-REC	0639	5152	FLD-NAME-IN-ERR	1447	5398 5481 5486 5526 5531
ENVIR-QUAD	0921	5152	FLD-NOT-NUMERIC-ERR	1446	5399 5482 5487 5527 5532
ENVIR-RECORD	0605	4603 4651 5151	FORM-OF-RECORD-TYPE-IV-ERR	1714	5672
ENVIR-RIG	0646	4716 4717 5152	GEAR-TYPEX	1570	5366
ENVIR-RIG	1038	5152	GRID-NOT-FORMATTED	1465	5273
ENVIR-START-LOC	0631	4686	GRID-PROG	0021	5269
ENVIR-START-LOC	0907	5389	HOLD-CONVERSION	1388	5504 5509 5518
ENVIR-START-LOC-R	0914	5371	IND-AGE-STAT-ERR	1564	5848
ENVIR-STAT-MEMBER	0630	4685 5152	INDIV-AGE	0720	4789 4791 5161
ENVIR-STAT-MEMBER	0906	5152 5372 5388 5440 5458	INDIV-AGE	1124	5161 5696 5704 5712 5727
ENVIR-STAT-MEMBER	0667	4726 4727 5152	INDIV-AGE	1587	5702 5710 5717
ENVIR-STAT-ALTER	1059	5152	INDIV-AGE-R	1125	5687 5719
ENVIR-STAT-ALTER	0657	5152	INDIV-AGE-STAT-ERR2	1589	5722
ENVIR-SURFACE-DR	1049	5152	INDIV-AGE-STAT-ERR3	1591	5729
ENVIR-SURFACE-SALIN	0654	5152	INDIV-AGE-STAT-ERR4	1593	5735
ENVIR-SURFACE-SALIN	1046	5152	INDIV-AGE-STATUS	0718	5161
ENVIR-SURFACE-TFMP	0652	5152	INDIV-AGE-STATUS	1121	5161 5696 5704 5712 5719
ENVIR-SURFACE-TFMP	1044	5152	INDIV-AGE-STRUCTURE	0719	5161
ENVIR-TYPE-OF-TOW	0647	4718 4719 5152	INDIV-AGE-STRUCTURE	1123	5161 5696 5704 5712
ENVIR-TYPE-OF-TOW	1039	5152	INDIV-CNT	0702	4657 4670 4781 4783 5161
ENVIR-WATER-LEVEL	0666	5152	INDIV-CNT	1100	5161
ENVIR-WATER-LEVEL	1058	5152	INDIV-CNT-R	1101	6567 6580
ENVIR-WEATHER	1052	5152	INDIV-COUNT-ERR	1550	6624
ENVIR-WEATHER	0662	5152	INDIV-DETAILS	0705	4628 4639
ENVIR-WIND-DIRECT	1054	5152	INDIV-DETAILS	1105	4948 4981
ENVIR-WIND-DIRECT	0663	5152			
ENVIR-WIND-SPEED	1055	5152			
ENVIR-WIND-SPEED	0899	5152			
ENVIR-WIND-SPEED	0899	5152			

NM100

10-43.12

APR 3, 1984

DATA NAME REFERENCE LIST

DATA NAME	DEFN	REFERENCES	DATA NAME	DEFN	REFERENCES
INDIV-EGG-CNT	0713	5161	LATIN-RECORD	0104	4986
INDIV-EGG-CNT	1112	5161	LATIN-SUBSCR	0123	4976 4978 4982 4986 4988
INDIV-EGG-STAGE	0714	5161			4989 4993 4995 4997 4998
INDIV-EGG-STAGE	1113	5161			5000 5035
INDIV-LINE-EGG	1552	6620 6636	LATIN-TOTAL	0126	4978 4981 5007
INDIV-LTH	0703	6658 6671 4785 4787 5161	LINE-NUMBER	0622	4625 4636 4656 4669 4695
INDIV-LTH	1103	5161			5137 5229 6086
INDIV-LTH-DISCREP	1522	6632	LINE-NUMBER	0810	4695 5137 5197 5229 6103
INDIV-LTH-R	1104	6285 6628	LINE-NUMBER-CNTR	0218	4625 4636 4656 4664 4669
INDIV-NATURE	0709	4673 5161			4679
INDIV-NATURE	1108	5161	LINE-NUMBER-R	0813	6773 6776 6785 6788 6793
INDIV-PARM1	0710	5161			6794 6805 6806
INDIV-PARM1	1109	5161	LINE1	0811	6614
INDIV-PARM2	0711	5161	LINE2	0812	6634
INDIV-PARM2	1110	5161	LINE2-ERR-MSG	0497	6140
INDIV-PARM3	0712	5161	LNTH-LAST-ANLN-INCONSIS	1606	5784
INDIV-PARM3	1111	5161	LOC-WITH-04-42-STATIONS	4369	5432
INDIV-RECORD	0608	4612 5160 6087	LOC-WITH-1-3-STATIONS	3474	5382
INDIV-SEX	0708	4672-5161	LOC-WITH-43-138-STATIONS	4539	5450
INDIV-SEX	1107	5161	LOC-1-1X	3474	5382 5440
INDIV-SPAWN-MARK-CNT	0722	4793 4795 5161	LOC-2-1X	4369	5432 5458 5461
INDIV-SPAWN-MARK-CNT	1126	5161 5696 5704-5712-5731	LOC-3-1X	4539	5450 5464 5467
INDIV-SPAWN-MARK-CNT-R	1127	5687	LOCATION-CODE	1613	5380
INDIV-SPWN	1663	5869	MASTER-ACTION	0168	6174 6186
INDIV-STATUS	0715	5161	MASTER-ACTION-SW	0167	5133 5227 6175
INDIV-STATUS	1114	5161 5746	MATURITY	0779	5167
INDIV-TAG-NBR	0716	5161			1199 5167
INDIV-TAG-NBR	1115	5161 5737 5741 5746	MINUS-1	0217	5810
INDIV-TAG-NBR-R	1116	6284	MISSING-ANNULUS	1562	6533
INDIV-TAG-NBR-R	1118	5737	MISSING-CODE3-NHBR2	1622	6524
INDIV-TAG-NHRR-ALPHAB	1120	5737	MISSING-DISTANCE-SW	0169	5801 5819 5880
INDIV-TAG-NHRR-DIGIT	0707	5161	MISSING-ENVIR	0573	6720
INDIV-WGT	1106	5161	MISSING-INDIV-DATA	1554	6391
INDIV-WGT	1620	4693	MISSING-INDIV-REC	0585	6801
INDIV-WGT	1441	5179 5222	MISSING-REPLIC	0575	6727
INDIV-WGT	1566	5367	MISSING-SPECIES	0577	6743
INDIV-WGT	1566	5367	MSTR-ANNULUS-RECORD	0798	5199 5257 6104 6186 6241
INDIV-WGT	1518	6570			6287 6713 6721 6737 6763
INDIV-WGT	1513	6292 6563			6817
INDIV-WGT	1602	6645	MSTR-CONTROL	0800	5115 5118 6194 6707
INDIV-WGT	1573	5390	MSTR-ENVIR-RECORD	0794	5237 6183 6226 6259
INDIV-WGT	0161	5386	MSTR-INDIV-RECORD	0797	5199 5252 6104 6238 6261
INDIV-WGT	0160	5369 5375 5437			6713 6721 6737 6749 6752
INDIV-WGT	1732	6502 6503			6817
INDIV-WGT	1719	6195 6593	MSTR-REPLIC-RECORD	0795	5242 6183 6229 6262 6713
INDIV-WGT	1726	6194	MSTR-SPECIES-RECORD	0796	5199 5247 6104 6232 6270
INDIV-WGT	1728	6275 6324 6325 6593			6713 6721 6817
INDIV-WGT	1727	6265 6275 6296 6297 6593	MSTR-TAG-RECAPTURE-RECORD	0799	5262 6244 6713 6721 6737
INDIV-WGT	1729	6360 6361 6521 6593			6756 6759
INDIV-WGT	0036	4975 4979 4986	NBR-AFTER-UPDATE	0192	5046 6198
INDIV-WGT	1404	6210	NBR-ANL-DIST-OT-AGE	1556	5033
INDIV-WGT	1404	4986 5022 5023 5025 4210			

DATA NAME REFERENCE LIST

APR 3, 1984

10.43.12

NM100

DATA NAME	DEFN	REFERENCES	DATA NAME	DEFN	REFERENCES
NRR-BEFORE-UPDATE	0191	5045-5097	PROGRAM-060	0832	5294
NRR-OCUP-S-ENVIR-PRELOAD	1374	4569	PROGRAM-100	0833	5294
NRR-REC-S-ADDED	0188	5047 5140	PROGRAM-105	0834	5294
NRR-REC-S-CHG	0189	5048 5232	PROGRAM-110	0835	5294
NRR-REC-S-DEL	0190	5049 6071	PROGRAM-115	0836	5294
NRR-TAGGED-ERR	1585	5665	PROGRAM-120	0837	5294
NEW-MAST	0032	4962-5064 6197	PROGRAM-125	0838	5294
NEW-MAST-REC	0067	6197	PROGRAM-126	0839	5294
NM100REC	0597	4600	PROGRAM-130	0840	5294
		4947 5104 5106	PROGRAM-150	0841	5294
NM110REC	0792	4700 5093 5095 5100 5136	PROGRAM-160	0842	5294
		5726 6197 6227 6230 6233	PROGRAM-170-OR-180	0843	5294
		6239 6242 6245 6316 6317	PROGRAM-175	0844	5294
		6319 6344 6345 6347 6384	PROGRAM-300	0845	5294
		6385 6387 6393 6394 6396	PROGRAM-320	0846	5294
		6429 6430 6432 6442 6443	PROGRAM-330	0847	5294
		6445 6455 6456 6458 6468	PROGRAM-340	0848	5294
		6469 6471 6525 6526 6528	PROGRAM-350	0849	5294
		6537 6538 6540	PROGRAM-400	0850	5294
NO-CODE4-DATA-FOUND	0155	6389	PROGRAM-400-TD-499	0824	5372
NO-DECREASE	0157	5826	PROGRAM-410	0851	5294
NO-REC	1442	5183 5187	PROGRAM-420	0852	5294
NON-NUMERIC-GEAR	1615	4694	PROGRAM-421-OR-422	0853	5294
NON-SEQ-INDIV-REC	0583	6778 6796	PROGRAM-430-OR-440	0854	5294
NON-SEQ-TAG-RECAPT	0581	6790 6808	PROGRAM-431-OR-441	0855	5294
NON-EQUAL-LTH-AND-MARGIN	1604	5824	PROGRAM-432-OR-442	0856	5294
NOT-ADD	1431	5218	PROGRAM-433-OR-443	0857	5294
NOT-CHG	1432	5182	PROGRAM-434-OR-444	0858	5294
NOT-DEL	1433	5186	PROGRAM-435-OR-445	0859	5294
NUM-OF-SPAWN-MARKS	0767	4934 4936 5164	PROGRAM-436-OR-446	0860	5294
NUM-OF-SPAWN-MARKS	1172	5164 5870	PROGRAM-437-OR-447	0861	5294
NUM-OF-SPAWN-MARKS-R	1173	5864 5866	PROGRAM-438	0862	5294
NUM-SPEC-REC	1475	6337	PROGRAM-450	0863	5294
NUM-INDIV-PECS	0210	6371 6375 6477 6567 6580	PROGRAM-460	0864	5294
NUM-REP-RECS	0196	6266 6268 6306 6320	PROGRAM-470	0865	5294
NUMB-SPEC-KFCS	0198	6277 6279 6334 6337 6348	PROGRAM-500	0866	5294
NUMB-OF-CFIMAL	1391	5511	PROGRAM-510	0867	5294
NUMBER-OF-FIELDS	1394	5509 5513	PROGRAM-530	0868	5294
NUMBER-UNITS	1390	5511	PROGRAM-540	0869	5294
NUMB-INDIV-RECX	1534	6375	PROGRAM-550	0870	5294
OCCURRENCE-CODE-3	0208	6521 6542 6597 6599 6606	PROGRAM-600-TD-699	0825	5372
		6611 6614	PROGRAM-610	0871	5294
OLD-MAST	0029	4961 5064 5093	PROGRAM-615	0872	5294
OLD-MAST-REC	0053	5093 5095 5100	PROGRAM-618	0873	5294
PROG-NUMBRX	1572	5365	PROGRAM-620	0874	5294
PROGRAM-TYPE	0628	4684 5152	PROGRAM-630	0875	5294
PROGRAM-TYPE	0819	5152	PROGRAM-650	0876	5294
PROGRAM-TYPE-R	0820	5365	PROGRAM-660	0877	5294
PROGRAM-000-TD-699	0823	5287	PROGRAM-670	0878	5294
PROGRAM-050	0829	5294	PROGRAM-680	0879	5294
PROGRAM-081	0830	5294	PROGRAM-690	0880	5294
PROGRAM-085	0831	5294	PROGRAM-700	0881	5294

NM100

10.43.12

APR 3, 1984

DATA NAME REFERENCE LIST

DATA NAME	DEFN	REFERENCES	DATA NAME	DEFN	REFERENCES
PROGRAM-700-T0-799	0826	5287 5372	REPORT1-HEAD2	0331	6124
PROGRAM-705	0882	5294	REPORT1-TOTAL-LINE1	0388	5052
PROGRAM-710	0883	5294	REPORT1-TOTAL-LINE2	0394	5054
PROGRAM-715	0884	5294	REPORT1-TOTAL-LINE3	0400	5056
PROGRAM-720	0885	5294	REPORT1-TOTAL-LINE4	0406	5058
PROGRAM-725	0886	5294	REPORT1-TOTAL-LINE5	0412	5060
PROGRAM-730	0887	5294	REPORT1-TOTAL-LINE6	0418	5062
PROGRAM-735	0888	5294	REPORT2-COL-HEAD1	0450	6155
PROGRAM-740	0889	5294	REPORT2-COL-HEAD2	0464	6157
PROGRAM-745	0890	5294	REPORT2-DETAIL-LINE	0478	6135 6146
PROGRAM-750	0891	5294	REPORT2-HEAD1	0430	6153
PROGRAM-755	0892	5294	REPORT2-HEAD2	0441	6154
PROGRAM-760	0893	5294	REPORT3-COL-HEAD1	0525	6834
PROGRAM-765	0894	5294	REPORT3-COL-HEAD2	0539	6836
PROGRAM-770	0895	5294	REPORT3-COL-HEAD3	0553	6838
PROGRAM-775	0896	5294	REPORT3-DETAIL-LINE	0561	6824 6826
PROGRAM-800-T0-999	0828	5287	REPORT3-HEAD1	0505	6832
PROGRAM-930	0897	5372	REPORT3-HEAD2	0516	6833
READ-MSTR	0135	5069	REPS-DONT-MATCH	1450	6313
READ-MSTR-SW	0134	4965 5085 6074 6077	ROLL-OUT-AREA	0285	6316 6319 6344 6347 6384
READ-TRAN	0137	5071			6387 6393 6396 6429 6432
READ-TRAN-SW	0136	4965 5107 5126 5206			6442 6445 6455 6458 6468
REC-ADD	1436	5142			6471 6525 6528 6537 6540
REC-ALREADY	1443	5219	RP-COLLECT-SIZE	0671	4732 4734 4737 5155
REC-CHG	1437	5234	RP-COLLECT-SIZE-CNVRT	1398	5478 5484 5489 5496
REC-DEL	1438	6070	RP-COLLECT-SIZE	1065	5155 5475
REC-REJECT-TOT	0187	5044 6091	RP-NUMBER-SPECIES	0675	5155
RECAP-T-DAYS-OUT-ERR	1633	6031	RP-NUMBER-SPECIES	1069	5155 6263
RECAPTURE-DATE	0772	5167	RP-QUALITY	0676	5155
RECAPTURE-DATE	1184	5167	RP-QUALITY	1070	5155
RECAPTURE-DATE-R	1188	5896 5990 6006 6012 6050	RP-SAMPLE-SIZE	0673	4738 4740 4743 5155
RECAPTURE-GEAR	0774	5167	RP-SAMPLE-SIZE	1067	5155 5471
RECAPTURE-GEAR	1193	5167	RP-SAMPLE-SIZE-CNVRT	1397	5474 5479 5489 5495
RECAPTURE-LENGTH	0777	5167	RPT-NBR-AFTER-UPD	0420	5046
RECAPTURE-LENGTH	1197	5167	RPT-NBR-REFORE-UPD	0340	5045
RECAPTURE-LOC	0773	5167	RPT-NBR-RECS-ADDED	0396	5047
RECAPTURE-LOC	1192	5167 5972	RPT-NBR-RECS-CHG	0402	5048
RECAPTURE-WEIGHT	0778	5167	RPT-NBR-RECS-DEL	0408	5049
RECAPTURE-WEIGHT	1198	5167	RPT-REJECT-TOT	0414	5044
RECORD-TYPE	0604	4627 4638 4696 5118 5138	RPT1-DASH	0377	5201 5203 6088 6090 6819
RECORD-TYPE	0793	4696 5118 5138 5192 5230	RPT1-DATA	0386	6115
REPLC-RECORD	0606	4606 5154	RPT1-ERROR	0384	5179 5183 5187 5198 5219
REPLCATE-NUMBER	0618	4652 4695 5137 5229 6083	RPT1-LINE-NBR	0380	5197 6086
REPLCATE-NUMBER	0806	4695 5137 5194 5229 5669	RPT1-MESSAGE	0382	5142 5178 5182 5186 5218
REPORT1-COL-HEAD1	0340	6125	RPT1-REC-TYPE	0370	5192 6081
REPORT1-COL-HEAD2	0353	6127	RPT1-REP-NBR	0374	5194 6083
REPORT1-DETAIL-LINE	0368	6116	RPT1-SEQ-NBR	0372	5193 6082
REPORT1-HEAD1	0320	6123	RPT1-SPECIES-CODE	0376	5195 6084
			RPT1-SPECIES-STATUS	0378	5196 6085

NW100

10.43.12

APR 3.1984

DATA NAME REFERENCE LIST

DATA NAME	DEFN	REFERENCES	DATA NAME	DEFN	REFERENCES
RPT2-DASH	0487	6106-6108	SAVE-INDIV-AGE-STATUS	0219	5844 5845 6186 6188 6503
RPT2-DETAIL-LINE2	0495	6141	SAVE-INDIV-KEY	0259	6530 6535 6555
RPT2-EPR-MSG	0492	4694 5273 5277 5291 5367	SAVE-INDIV-LINE	0260	6749 6752 6763
		5381 5390 5399 5407 5413	SAVE-INDIV-LINE-R	0261	6775
		5482 5487 5497 5527 5532	SAVE-INDIV-LTH	0207	6285 6477 6628 6631
		5543 5548 5559 5577 5586	SAVE-INDIV-SPAWN-MARK	0265	5869
		5595 5606 5617 5633 5640	SAVE-INDIV-SPAWN-MARK-R	0266	5864 5866
		5647 5654 5665 5672 5692	SAVE-NUM-REPS	0195	6260 6306 6308 6320
		5702 5710 5717 5722 5729	SAVE-NUM-SPECIES	0197	6263 6334 6336 6348
		5735 5742 5750 5784 5799	SAVE-NUM-SUBSAMPLES	0206	6271 6371 6374 6477
		5824 5828 5833 5848 5854	SAVE-REPLIC	0237	6230 6343 6345 6349
		5871 5904 5968 5976 6008	SAVE-REPLIC-KEY	0239	6723
		6014 6031 6037 6046 6062	SAVE-SPE-NUMBR-TAGGED1	0249	6426 6452
		6140 6222 6292 6313 6338	SAVE-SPE-NUMBR-TAGGED1-R	0250	6420 6421 6446 6447
		6376 6391 6428 6441 6454	SAVE-SPE-NUMBR-TAGGED2	0253	6439 6465
		6467 6524 6533 6563 6570	SAVE-SPE-NUMBR-TAGGED2-R	0254	6433 6434 6459 6460
		6608 6620 6624 6632 6636	SAVE-SPE-TAG1	0248	5946 5955 6421 6427 6447
		6645			6453
RPT2-LINE-NBR	0490	6103	SAVE-SPE-TAG2	0252	5946 5955 6434 6440 6460
RPT2-REC-TYPE	0480	6098	SAVE-SPEC-CODE	0199	6273 6288 6291 6476 6559
RPT2-REP-NBR	0484	6100			6562
RPT2-SFG-NBR	0482	6099	SAVE-SPECIES	0241	6233 6383 6385 6392 6394
RPT2-SPECIES-CODE	0486	6101			6430 6443 6456 6469 6479
RPT2-SPECIES-STATUS	0488	6102	SAVE-SPECIES-KEY	0243	6739
RPT3-LINE-NBR	0571	6816	SAVE-TAG-NO	0211	6284
RPT3-REP-NBR	0563	6813	SAVE-TAG-RECAPT	0276	6245
RPT3-SEQ-NBR	0563	6812	SAVE-TAG-RECAPT-KEY	0278	6756 6759
RPT3-SPECIES-CODE	0567	6814	SAVE-TAG-RECAPT-LINE	0280	6782 6785
RPT3-SPECIES-STATUS	0569	6815	SAVE-TAG-RECAPT-LINE-R	0281	6787
R1-LINE-CNT	0112	5050 6113 6118 6129	SAVE-TAG-RECAPT-TAG1	0220	5946 5949 5952 6421 6434
R1-PAGE-CNT	0111	6121-6122			6474
R1-PAGE-NO	0328	6122	SAVE-TAG-RECAPT-TAG1-CNTR	0221	5950 5953 6421 6425 6434
R1-RUN-DATE	0317	4964	SAVE-TAG-RECAPT-TAG2	0222	6474
R2-LINE-CNT	0114	6137-6137-6148-6159	SAVE-TAG-RECAPT-TAG2-CNTR	0223	5960 5964 6447 6451 6460
R2-PAGE-CNT	0113	6151 6152			6464 6472
R2-PAGE-NO	0438	6152	SDN-DATE-DIFF	0216	6019 6027 6029
R2-RUN-DATE	0447	4564	SDN-ENVR-DATE	0215	5995 6003 6019 6058
R3-LINE-CNT	0116	6822 6827 6840	SDN-RECAPT-DATE	0214	5992 6003 6010 6017 6019
R3-PAGE-CNT	0115	6830 6831			6033 6057 6058 6064
R3-PAGE-NO	0513	6831	SEARCH-ENVR-PROGRAM-TYPE	1354	4684
R3-RUN-DATE	0522	4964	SEARCH-ENVR-START-LDC	1355	4686
SAMPLE-FXCCEEDS-COLLECTION	1456	5497	SEARCH-ENVR-STAT-NUM	1356	4685
SAMPLE-SIZ	1461	5495	SEARCH-ENVR-STAT-NUM	1357	4686
SAMPLE-SIZE-EXC-COLLECTION	1488	5559	SEQ-FILLER	0805	4695 5137 5229
SAMPLE-WGT-EXCEEDS-TOTAL	1505	5617	SEQ-FILLER	0806	4695 5137 5229
SAVE-ANNUUS	0269	6247	SEQ-YR	0804	4695 5137 5229
SAVE-ENVR	0224	6227 6315 6317 6321	SEQUENCE-NUMBER	0615	4621 4649 6082
SAVE-ENVR-DATF-R	0232	5896 5993 6007 6013 6061			
SAVE-ENVR-KEY	0226	6716			
SAVE-INDIV	0257	5726 6259 6526 6536 6538			
		6541			
SAVE-INDIV-AGE-R	0264	5851-5852			

NM100

10.43.12

APR 3.1984

DATA NAME REFERENCE LIST

DATA NAME	DEFN	REFERENCES	DATA NAME	DEFN	REFERENCES
SEQUENCE-NUMBER	0803	5193 6099 6265-6275 6296	SPECIES-CODE-0	0200	6210-6221-6814
SORT-ACTION	0094	6503 6812	SPECIES-CODE-1-OR-2	0201	6371 6566
SORT-FILE	0090	4550 5104	SPECIES-CODE-3	0202	6371 6576
SORT-KEY	0096	4550	SPECIES-CODE-4-OR-7	0203	6289 6371 6388 6579
SORT-REC	0093	4645 4646 4665 4666 4680	SPECIES-CODE-5	0204	6560
		4681 5104	SPECIES-CODE-6	0205	6586
SORT-TYPE	0095	4550	SPECIES-CODE3-6-CNT	1102	6622
SPAWN-CONFLICT	1659	5871	SPECIES-CODE3-MATCH	1471	6338
SPE-INDIV-FORMAT-CODE	0695	5158	SPECIES-FOUND	0181	5943
SPE-INDIV-FORMAT-CODE	1090	5158 5669 6273	SPECIES-FOUND-SW	0180	6235 6484
SPE-NRR-TAGGED1	0697	4771 4773 5158	SPECIES-GROUP	0807	6360 6593
SPE-NRR-TAGGED1	1092	5158 5629 5636	SPECIES-GROUP-NOT-FOUND	1595	6222
SPE-NRR-TAGGED1-R	1093	5637	SPECIES-NUMBER	1408	4993 4995 5035
SPE-NRR-TAGGED2	0699	4775 4777 5158	SPECIES-NUMBER-R	1409	5019
SPE-NRR-TAGGED2	1095	5158 5643 5650	SPECIES-RECORD	0807	4609 5157 6087
SPE-SAMP-WGHTX	1503	5605	SPECIES-STATUS	0621	4695 5137 5229 6085
SPE-SAMPLE-CNT	0683	4754 4756 5158	SPECIES-STATUS	0809	4695 5137 5196 5229 6102
SPE-SAMPLE-CNT	1078	5158	STA-1-IX	3478	5427 5440
SPE-SAMPLE-CNT-R	1079	5529 5534 5539 5550 5555	STA-2-IX	4373	5445 5458 5461
		5662	STA-3-IX	4543	5453 5464 5467
SPE-SAMPLE-NBRRX	1493	5555	START-LOC-ERROR	1581	5291
SPE-SAMPLE-WGHTX	1509	5615	START-LOC-O-10-23	0910	5287
SPE-SAMPLE-WGT	0686	4758 4760 5158	START-LOC-26-TO-40	0908	5287
SPE-SAMPLE-WGT	1081	5158 5570	START-LDCK	1579	5389
SPE-SAMPLE-WGT-CNVRT	1399	5573 5574 5597 5605 5608	START-NBRRX	1577	5388
		5615	STATION-FOUND	0164	5427 5445 5453
SPE-SUB-WGHTX	1501	5604	STATION-FOUND-SW	0162	5369 5442 5460 5466
SPE-SUBSAMPLE-CNT	0689	4762 4764 5158	STATION-NOT-FOUND	0163	5431 5436 5449
SPE-SUBSAMPLE-CNT	1084	5158 6271	STATION-1	3478	5440
SPE-SUBSAMPLE-CNT-R	1085	5524 5534 5541	STATION-2	4373	5458 5461
SPE-SUBSAMPLE-WGT	0692	4766 4768 5158	STATION-3	4543	5464 5467
SPE-SUBSAMPLE-WGT	1087	5158 5579	STATUS-NBR-ERR	1712	5750
SPE-SUBSAMPLE-WGT-CNVRT	1400	5582 5583 5597 5604	STRUC-ERR	0151	6767
SPE-TAG-TYPE1	0696	5158	STRUC-ERR-RPT	0035	4982 5084 6824 6832 6833
SPE-TAG-TYPE1	1091	5158 5628			6838
SPE-TAG-TYPE2	0698	5158	STRUC-ERR-SW	0150	6706 6719 6726 6742 6777
SPE-TAG-TYPE2	1094	5158 5642			6783 6789 6795 6800 6807
SPE-TOTAL-CNT	0679	4746 4748 5158	STRUC-PRT-LINE	0088	6824 6832 6833 6834 6836
SPE-TOTAL-CNT	1074	5158			6838
SPE-TOTAL-CNT-R	1075	5545 5550 5557	SUB-SIZE-EXCEEDS-SAMPLE	1479	5543
SPE-TOTAL-NBRRX	1495	5557	SUB-WGT-EXCEEDS-SAMPLE	1497	5606
SPE-TOTAL-WGT	0681	4750 4752 5158	SUBSAMPLES-DONT-MATCH	1530	6376
SPE-TOTAL-WGT	1076	5158 5588	TAB-ENVIR-PRELOAD-ENTRY	1377	4586 4687 4704
SPE-TOTAL-WGT-CNVRT	1401	5591 5592 5608 5616	TAB-ENVIR-PRELOAD-KEY	1380	4597
SPE-TOTL-WGHTX	1511	5616	TAG-AND-SPE-CNT-ERROR	1679	6428 6441 6454 6467
SPEC-CODE	1600	6221	TAG-MATCHED	0174	5907 5914
SPEC-SAMPL-NBRRX	1486	5539	TAG-MATCHED-SW	0173	5915 6044
SPEC-SUBSAMPLE-NBRRX	1484	5541	TAG-NBR-ERROR	1645	5741 5903
SPECIES-CODE	0620	4695 5137 5229 6084	TAG-NBRR-ERRR	1671	6049
SPECIES-CODE	0808	4695 5137 5195 5229-6101	TAG-NUMBER	0770	5167

NM100

10.43.12

APR 3.1984

DATA NAME REFERENCE LIST

DATA NAME	DEFN	REFERENCES	DATA NAME	DEFN	REFERENCES
TAG-NUMBER	1178	5167 5903 5913 5929 6041 6045	UPD-PRT-LINE	0074	5052 5054 5056 5058 5060 5062 6116 6123 6124 6125
TAG-NUMBER-ALPHA8	1180	5900	UPDATE-RPT	0033	4962 5052 5054 5056 5058 5060 5062 5064 6116 6123 6124 6125 6127
TAG-NUMBER-DIGIT	1182	5900	VALID-ALPHA-GRID	0920	5269
TAG-NUMBER-REPEATED	1667	6046	VALID-CHANGE-CODE	0603	5177 5207
TAG-NUMBER-CNTR	0125	5906 5907 5911 5924 5928 5929 6480 6482	VALID-GEAR-FOR-PCM050	0928	5294
TAG-NUMBER-ERROR	1641	5742 5904	VALID-GEAR-FOR-PCM051	0929	5294
TAG-NR-SPE-ZERO-FIELD	1699	6014	VALID-GEAR-FOR-PCM055	0931	5294
TAG-RECAPT-DATE-CONFL ICT	1697	6037	VALID-GEAR-FOR-PCM060	0933	5294
TAG-RECAPT-TAG-NUMBR	1420	5913 5929 6041 6488	VALID-GEAR-FOR-PCM100	0934	5294
TAG-RECAPTURE-RECORD	0612	4618 5166	VALID-GEAR-FOR-PCM105	0936	5294
TAG-SUMSCR	0124	5907 5912 6041 6480 6488	VALID-GEAR-FOR-PCM110	0937	5294
TAG-TYPE	0771	5167	VALID-GEAR-FOR-PCM115	0938	5294
TAG-TYPE	1183	5167 5946 5949 5952 5955 5958 5962 5967	VALID-GEAR-FOR-PCM120	0939	5294
TAG-TYPE-ERROR	1673	5968	VALID-GEAR-FOR-PCM125	0942	5294
TAG-TYPE-NDR-ERR	1583	5633 5640 5647 5654	VALID-GEAR-FOR-PCM126	0943	5294
TARGET-AREA	1389	5503 5517	VALID-GEAR-FOR-PCM130	0944	5294
TEST-FIELD	1386	4734 4735 4736 4740 4741 4742 5471 5475 5501 5502 5570 5579 5588	VALID-GEAR-FOR-PCM150	0945	5294
TEST-SUM	0127	6775 6776 6787 6788	VALID-GEAR-FOR-PCM160	0949	5294
TR-ADD	0600	5127 5207 5217	VALID-GEAR-FOR-PCM170-180	0950	5294
TR-CHANGE	0601	5181 5211	VALID-GEAR-FOR-PCM175	0955	5294
TR-CONTROL	0613	5115 5118	VALID-GEAR-FOR-PCM300	0956	5294
TR-DATA	0626	4624 4635 6115	VALID-GEAR-FOR-PCM320	0959	5294
TR-DELETE	0602	5185	VALID-GEAR-FOR-PCM330	0960	5294
TRANS-FILE	0030	4573 4600	VALID-GEAR-FOR-PCM340	0962	5294
TRANS-REC	0060	4600	VALID-GEAR-FOR-PCM350	0963	5294
TURN-OFF	0108	4563 4699 4966 5085 5101 5107 5108 5363 5369 5375 5801 5915 6112 6175 6196 6258 6307 6335 6370 6484 6531 6706	VALID-GEAR-FOR-PCM400	0965	5294
TURN-ON	0107	4692 4965 4992 5004 5126 5133 5134 5135 5188 5206 5223 5227 5228 5271 5276 5290 5362 5364 5379 5387 5397 5404 5411 5437 5442 5460 5462 5466 5468 5480 5485 5494 5525 5530 5538 5546 5554 5575 5584 5593 5603 5614 5632 5639 5646 5653 5664 5671 5691 5701 5709 5716 5721 5728 5734 5740 5749 5783 5798 5819 5823 5827 5832 5847 5853 5868 5880 5885 5902 5966 5974 6005 6011 6028 6035 6043 6044 6059 6073 6074 6077 6078 6134 6145 6220	VALID-GEAR-FOR-PCM420	0969	5294
			VALID-GEAR-FOR-PCM430-440	0975	5294
			VALID-GEAR-FOR-PCM431-441	0976	5294
			VALID-GEAR-FOR-PCM432-442	0977	5294
			VALID-GEAR-FOR-PCM433-443	0978	5294
			VALID-GEAR-FOR-PCM434-444	0979	5294
			VALID-GEAR-FOR-PCM435-445	0982	5294
			VALID-GEAR-FOR-PCM436-446	0985	5294
			VALID-GEAR-FOR-PCM437-447	0986	5294
			VALID-GEAR-FOR-PCM438	0987	5294
			VALID-GEAR-FOR-PCM450	0989	5294
			VALID-GEAR-FOR-PCM470	0992	5294

OCIMN

DATA NAME	DEFN	REFERENCES	DATA NAME	DEFN	REFERENCES
VALID-GEAR-FOR-PCM500	0994	5294	WK-SUB-2	0120	5802 5803 5809 5883 5886
VALID-GEAR-FOR-PCM510	0997	5294	WORK-CNT	0122	5619 5637 5651 5662 5808
VALID-GEAR-FOR-PCM530	1000	5294			5830 5882
VALID-GEAR-FOR-PCM540	1001	5294	WORK-LOCATION	0121	5371 5380 5382 5432 5450
VALID-GEAR-FOR-PCM550	1002	5294	WRITE-NEWSTR	0141	5077
VALID-GEAR-FOR-PCM610	1003	5294	WRITE-NEWSTR-SM	0140	4966 6078 6196
VALID-GEAR-FOR-PCM615	1004	5294	WRITE-RPT1	0139	5075
VALID-GEAR-FOR-PCM618	1005	5294	WRITE-RPT1-SM	0138	4966 5134 5228 6073 6112
VALID-GEAR-FOR-PCM620	1006	5294	WS-CURR-ENVIR-KEY	0289	6716
VALID-GEAR-FOR-PCM630	1007	5294	WS-CURR-KEY	0286	6707
VALID-GEAR-FOR-PCM650	1008	5294	WS-CURR-REPLIC-KEY	0288	6723
VALID-GEAR-FOR-PCM660	1009	5294	WS-CURR-SPECIES-KEY	0287	6739 6749 6752 6756 6759
VALID-GEAR-FOR-PCM670	1010	5294			6763
VALID-GEAR-FOR-PCM680	1011	5294	YEAR-DOESNT-MATCH	1528	5277
VALID-GEAR-FOR-PCM690	1012	5294	Z-ENVIR-DATE	1693	6013
VALID-GEAR-FOR-PCM700	1013	5294	Z-RECAPT-DATE	1695	6012
VALID-GEAR-FOR-PCM705	1015	5294	ZERO-00	1427	6053 6054
VALID-GEAR-FOR-PCM710	1016	5294	ZERO-MM	1426	6051 6052
VALID-GEAR-FOR-PCM715	1017	5294			
VALID-GEAR-FOR-PCM720	1018	5294			
VALID-GEAR-FOR-PCM725	1023	5294			
VALID-GEAR-FOR-PCM730	1024	5294			
VALID-GEAR-FOR-PCM735	1025	5294			
VALID-GEAR-FOR-PCM740	1026	5294			
VALID-GEAR-FOR-PCM745	1027	5294			
VALID-GEAR-FOR-PCM750	1028	5294			
VALID-GEAR-FOR-PCM755	1029	5294			
VALID-GEAR-FOR-PCM760	1030	5294			
VALID-GEAR-FOR-PCM765	1032	5294			
VALID-GEAR-FOR-PCM770	1033	5294			
VALID-GEAR-FOR-PCM775	1034	5294			
VALID-GEAR-OF-ZERO	0926	5293			
VALID-GEAR-OF-999	0927	5293			
VALID-NUMER-GRID	0918	5269			
WK-E-BOTTOM-PRDF	1370	4723			
WK-E-BOTTOM-TYPE	1369	4721			
WK-E-DEPTH	1371	4725			
WK-E-DURATION	1362	4707			
WK-E-GEAR-PAR41	1364	4711			
WK-E-GEAR-PAR42	1365	4713			
WK-E-GEAR-PAR43	1366	4715			
WK-E-GEAR-TYPE	1363	4709			
WK-E-PIG	1367	4717			
WK-E-STATE-ALTER	1372	4727			
WK-E-TYPE-OF-TOW	1368	4719			
WK-ENVIR-PRFLDAD-KEY	1359	4580			
WK-ENVIR-PRFLDAD-REC	1358	4579			
WK-SUB	0119	4629			
		4671			
		5761			
		5791			
		5878			

PROCEDURE NAME REFERENCE LIST

APR 3, 1984

10.43.12

NM100

PROCEDURE NAME	DEFN	REFERENCES	PROCEDURE NAME	DEFN	REFERENCES
005-PRE-SORT-PROCESSING	4560	4550	156-FIND-LAST-DIST-TO-ANL	5874	5758
008-READ-N-LOAD-ENVIR-PRELOAD	4578	4567	157-TEST-DISTANCE-INCREASE	5877	5810
009-INIT-REST-ENVIR-PRELOAD	4596	4569	158-EDIT-TAG-RECAP-REC	5888	5263
012-READ-TRANS	4599	4574	158A-DATE-ROUTINE	5981	5991 5994 6056
013-PRE-FOIT-KEY	4648	4622	158B-COMPARF-DATES	5989	5899
014-RELEASE-DUP-INDIV-REC6	4655	4629	158C-SEARCH-TAG-NUMBER-TABLE	6040	5907
015-RELEASE-DUP-INDIV-REC7	4668	4640	158D-ADJUST-ZERO-DATE	6049	6016
017-ENVIR-PRE-EDIT	4683	4604	160-EQUAL-DELETE-TRANS	6066	5214
018-PRELOAD-ENVIR-DATA	4703	4689	170-MASTER-LOW	6076	5123
019-REPLIC-PRF-EDIT	4729	4607	177-BUILD-TRANS-ERROR	6080	5189 5224
020-SPECIES-PRF-EDIT	4745	4610	179-BUILD-MASTER-ERROR	6094	4698 5274 5278 5292 5368
021-INDIV-PRF-EDIT	4780	4613			5382 5391 5400 5408 5414
022-ANNUUS-PRF-EDIT	4798	4616			5483 5488 5498 5528 5533
023-RECAP-PRF-EDIT	4939	4619			5544 5549 5560 5578 5587
024-POST-SORT-PROCESSING	4945	4550			5596 5607 5618 5634 5641
030-HOUSEKEEPING	4957	4946			5648 5655 5666 5673 5693
040-READ-LATIN-TABLE	4974	4972			5703 5711 5718 5723 5730
041-READ-TABLE	4985	4977			5736 5743 5751 5785 5800
042-SORT-LATIN-FILE	5006	4980			5825 5829 5834 5849 5855
043-ARRANGE-START	5010	5008 5032			5872 5905 5969 5977 6009
044-ARRANGE-LOOP	5014	5027			6015 6032 6038 6047 6063
045-ARRANGE-END	5029	5008 5018			6223 6293 6318 6346 6386
046-ADD-HIGH-VALUES	5034	4982			6395 6431 6444 6457 6470
060-END-OF-JOB	5037	4950			6527 6539 6564 6572 6609
100-MAINLINE	5068	4948			6621 6625 6633 6641 6646
110-READ-MSTR	5080	5070	200-WRITE-RPT1-UPD	6111	5076 6092
111-REAL-READ	5092	5082	202-WRITE-RPT1-UPD-HEADING	6120	4968 5051 6114
112-DUMMY-READ	5099	5084	210-WRITE-RPT2-ERR	6131	6109
120-READ-TRANS	5103	5072	212-WRITE-RPT2-ERR-HEADING	6150	6565 6133
130-MATCH-MSTR-TO-TRANS	5110	5074	220-WRITE-NEW-MSTR-REC	6161	5078
131-MASTER-HIGH	5125	5116	225-EDIT-SPECIES-GROUP	6201	6184
132-HIGH-ADD-TRANS	5132	5129	226-VAL10-SPECIES-CODE	6215	6213
133-MOVE-DATA-BY-TYPE	5144	4697 5139 5231	227-UNWATCHED-SPECIES-GROUP	6219	6210
134-HIGH-CMG-OR-DELETE-TRANS	5176	5130	230-SAVE-MASTER-BY-TYPE	6225	6199
135-BUILD-RPT1	5191	5141 5233 6072	240-RELATIONAL-EDITS	6253	6172
137-MASTER-EQUAL	5205	5121	242-TEST-ENVIR-BREAK	6295	6257
138-EQUAL-ADD-TRANS	5216	5209	243-ENVIR-BREAK	6304	6298
139-EQUAL-CHANGE-TRANS	5226	5212	244-TEST-REPLIC-BREAK	6323	6302
140-EDIT-ROUTINE	5236	6176	245-REPLIC-BREAK	6332	6305 6326
141-FOIT-ENVIR-REC	5268	5238	246-TEST-SPECIES-BREAK	6351	6330
142-COUNT-NUMBER-DECIMALS	5416	5395	247-SPECIES-BREAK	6368	6333 6362
143-SEARCH-FDP-STATION	5426	5385	247B-PAD-TAG-NUMBER-TABLE	6487	6480
144-SEARCH-TAB-1-FOR-STATION	5439	5427	248-TEST-INDIV-BREAK	6491	6366
145-FIND-LOCATION-IN-TAB-2	5444	5435	249-INDIV-BREAK	6509	6369 6507
146-SEARCH-TAB-2-FOR-STATION	5457	5445	249-SAVE-AGE-STATUS	6544	5725 6282
148-SEARCH-TAB-3-FOR-STATION	5463	5453	250-SPECIES-CODE-CHECKS	6558	6283
149-FOIT-REPLIC-REC	5470	5243	251-EDIT-INDIV-SC-3	6592	6577
150A-EDIT-EXPLICIT-DECIMAL	5500	5473 5477 5581 5590	252-EDIT-INDIV-2ND-OCCUR	6627	6612
150B-EDIT-EXPLICIT-DECIMAL	5508	5506	256-EDIT-INDIV-SC-6	6643	6587
151-FOIT-SPECIES-REC	5523	5248	258-STRUCTURAL-TEST	6705	6173
153-EDIT-INDIV-REC	5576	5258	259A-VERIFY-INDIV-STRUC	6770	6751
155-FOIT-ANNUUS-REC	5756	5258	259B-VERIFY-TAG-RECAP-STRUC	6780	6758

MM100

PROCEDURE NAME	DEFN	REFERENCES	PROCEDURE NAME	DEFN	REFERENCES
259C-VERIFY-INDIV-LINE1	6792	6754			
259D-MISSING-INDIV-REC	679A	6765			
259E-VERIFY-TAG-RECAP-LINE1	6804	6761			
260-WRITE-RPT3-STPUC	6811	6768			
262-WRITE-RPT3-STRUC-HEADING	6829	4970 6823			

UNUSED DATA NAME REFERENCE LIST

APR 3, 1984

10-43.12

NM100

DEFN	DATA NAME	DEFN	DATA NAME	DEFN	DATA NAME
00109	ABEND-A	01335	CVT-ABBRV-MONTH	00902	ENVIR-DATE-R
00598	ACTION-CODE	01336	CVT-ABBRV-PERIOD	00901	ENVIR-DD
01430	ACTION-MESSAGES	01340	CVT-ABBRV-YEAR	00905	ENVIR-DD-R
00729	ANL-AGE-R	01334	CVT-ALPHA-ABBRV	01649	ENVIR-DURATION-ERR-R
00766	ANL-DIST	01344	CVT-ALPHA-DATE	00636	ENVIR-CRID
00765	ANL-DIST-R	01347	CVT-DAY-OF-THE-WEEK	01610	ENVIR-LOC-NOT-FOUND-R
01170	ANL-DIST-P	01346	CVT-DAYR	00900	ENVIR-MM
00734	ANL-DISTANCES	01290	CVT-JULIAN5	00904	ENVIR-MM-R
01139	ANL-DISTANCES	01294	CVT-JULIAN5-DAY	01655	ENVIR-NON-ZERO-GEAR-R
00731	ANL-LTH-TO-EDGE-R	01291	CVT-JULIAN5-LS-ZERO	00818	ENVIR-STA-DATA
00731	ANL-MARGIN-INCR-R	01293	CVT-JULIAN5-YEAR	00634	ENVIR-START-LOC-R
01132	ANNULUS-DATA	01296	CVT-JULIAN7	00903	ENVIR-VY-R
01413	APPANGE-BLOCK	01300	CVT-JULIAN7-DAY	01548	ERR-MSG-DIF
01273	CVMT-ABBRV-COMMA	01297	CVT-JULIAN7-LS-ZERO	01543	ERR-MSG-TAG
01272	CVMT-ABBRV-DAY	01299	CVT-JULIAN7-YEAR	01445	ERROR-MESSAGES
01271	CVMT-ABBRV-DAY-YEAR	01302	CVT-MDY6	01467	GRID-NOT-FORMATTED-R
01276	CVMT-ABBRV-DAYR	01306	CVT-MDY6-DAY	00721	INDIV-AGE-R
01269	CVMT-ABBRV-MONTH	01303	CVT-MDY6-LS-ZERO	01524	INDIV-LTH-DISCREP-R
01270	CVMT-ABBRV-PERIOD	01305	CVT-MDY6-MONTH	00704	INDIV-LTH-R
01274	CVMT-ABBRV-YEAR	01307	CVT-MDY6-YEAR	00723	INDIV-SPAWN-NARK-CNT-R
01280	CVMT-DAYR	01309	CVT-MDY8	00717	INDIV-TAG-NBR-R
01228	CVMT-JULIAN5-DAY	01314	CVT-MDY8-DAY	01119	INDIV-TAG-NBR-ALPHAN
01225	CVMT-JULIAN5-LS-ZERO	01310	CVT-MDY8-LS-ZERO	01117	INDIV-TAG-NBR-R
01227	CVMT-JULIAN5-YEAR	01312	CVT-MDY8-MONTH	01099	INDIVIDUAL-DATA
01234	CVMT-JULIAN7-DAY	01316	CVT-MDY8-YEAR	00159	INVALID-GEAR
01231	CVMT-JULIAN7-LS-ZERO	01287	CVT-SDN	01568	INVALID-GEAR-MSGX
01233	CVMT-JULIAN7-YEAR	01288	CVT-SDN-LS-ZERO	01515	INVALID-REC-FOR-CODE-R
01240	CVMT-MDY6-DAY	01318	CVT-YMD6-DAY	01575	INVALID-STA-MSG-R
01237	CVMT-MDY6-LS-ZERO	01323	CVT-YMD6-LS-ZERO	01718	LAST-CONTROL
01239	CVMT-MDY6-MONTH	01319	CVT-YMD6-MONTH	01733	LAST-LINE-NBR-R
01241	CVMT-MDY6-YEAR	01322	CVT-YMD6-YEAR	01730	LAST-SPECIES-CODE
01248	CVMT-MDY8-DAY	01321	CVT-YMD6-YEAR	01731	LAST-SPECIES-STATUS
01244	CVMT-MDY8-LS-ZERO	01325	CVT-YMD8	01724	LAST-TYPE-ANNULUS
01246	CVMT-MDY8-MONTH	01332	CVT-YMD8-DAY	01720	LAST-TYPE-ENVIR
01250	CVMT-MDY8-YEAR	01326	CVT-YMD8-LS-ZERO	01723	LAST-TYPE-INDIV
01223	CVMT-SDN-LS-ZERO	01330	CVT-YMD8-MONTH	01721	LAST-TYPE-REPLIC
01257	CVMT-YMD8-DAY	01328	CVT-YMD8-YEAR	01722	LAST-TYPE-SPECIES
01253	CVMT-YMD8-LS-ZERO	00817	DATA-BY-RECORD-TYPE	01725	LAST-TYPE-TAG-RECAPT
01256	CVMT-YMD8-MONTH	01205	DATE-CNVRT-SUBR	01411	LATIN-NAME
01255	CVMT-YMD8-YEAR	01628	DATE-REC1-REC9-ERR2	01403	LATIN-TABLE-ENTRIES
01266	CVMT-YMD8-DAY	01349	DATECALC-DIFF	03477	LOCATION-1
01260	CVMT-YMD8-LS-ZERO	01221	DATECALC-SET-A	04372	LOCATION-2
01264	CVMT-YMD8-MONTH	01286	DATECALC-SET-B	04542	LOCATION-3
01262	CVMT-YMD8-YEAR	01707	DIST-TRAVELED-ERR-R	00783	LAST-REC-FDR
01384	CONVERT-DECIMAL-AREA	00143	DUMMY-RD-ON	00170	MISSING-DISTANCE
01396	CONVERTED-DECIMAL-HOLD-AREA	00302	DUP-INDIV-ENTRY6	00147	NUM-EDIT-ERRORS
01393	COURT-DECIMAL	00307	DUP-INDIV-ENTRY7	01617	NUM-NUMERIC-GEAR-R
01392	COUNT-INITIALS	00301	DUP-INDIV-REC6-ENTRIES	00209	OCCURRENCE-CODE-6
01339	CVT-ABBRV-COMMA	00306	DUP-INDIV-REC7-ENTRIES	00822	PROGRAM-001-TO-999
01338	CVT-ABBRV-DAY	00146	EDIT-ERROR	00827	PROGRAM-T99-TO-899
01337	CVT-ABBRV-DAY-YEAR	00149	EDIT-REJECT-ERROR	01635	RECAPT-DAYS-OUT-ERR-R
01342	CVT-ABBRV-DAYR	01407	ENGLISH-NAME	01187	RECAPT-DD

UNUSED DATA NAME REFERENCE LIST

APR 3, 1984

10.43.12

NW100

DEFN DATA NAME

DEFN DATA NAME

DEFN DATA NAME

01191	RECAPT-DD-R	00619	SPECIES-GROUP	1
01196	RECAPT-MM	01597	SPECIES-GROUP-NOT-FOUND-R	2
01199	RECAPT-MM-R	01749	STATION-TABLE-1	3
01185	RECAPT-VV	03473	STATION-TABLE-1-R	4
01189	RECAPT-VV-R	03483	STATION-TABLE-2	5
00614	RECAPT-KEY	04368	STATION-TABLE-2-R	6
00802	RECAPT-KEY	04378	STATION-TABLE-3	7
00815	RECAPT-KEY-ALPHA	04538	STATION-TABLE-3-R	8
00816	RECAPT-KEY-BETA	01481	SUR-SIZE-EXCEEDED-SAMPLE-R	9
00623	RECAPT-KEY-R	01499	SUR-WGHT-GT-SAMP-WGHT	10
00814	RECAPT-KEY-R	01532	SUBSAMPLES-OCNT-MATCH-R	11
01064	REPLICATE-DATA	00131	SWITCH-FINDER	12
00319	REPORT-LINES	00133	SWITCHES	13
00429	REPORT-LINES2	01381	TAB-ENVIR-PRELOAD-DATA	14
00504	REPORT-LINES3	01376	TAB-ENVIR-PRELOAD	15
01452	RPS-DONT-MATCH-R	01681	TAG-AND-SPE-CNT-ERROR-R	16
00672	RP-COLLECT-SIZE-R	01420	TAG-INDEX	17
01066	RP-COLLECT-SIZE-R	01544	TAG-NBR-DISCREP	18
00674	RP-SAMPLE-SIZE-R	01546	TAG-NBR-DISCREP-R	19
01068	RP-SAMPLE-SIZE-R	01539	TAG-NBR-LESS	20
00568	RPT3-DASH	01541	TAG-NBR-LESS-R	21
01507	SAMP-WGHT-GT-TOTAL	01181	TAG-NUMBER-ALPHAN	22
01458	SAMPLE-EXCEEDS-COLLECTION-R	01179	TAG-NUMBER-R	23
01490	SAMPLE-SIZE-GT-COLLECT-SIZE	01669	TAG-NUMBER-REPEATED-R	24
00271	SAVE-ANVL-KEY	01643	TAG-NUMBER-ERR-R	25
00272	SAVE-ANVL-LINE	01691	TAG-NUMBER-ERR-R	26
00274	SAVE-ANVL-SPAWN-MARK	01699	TAG-OR-SPE-ZERO-FIELD-R	27
00228	SAVE-ENVIR-DATE	01422	TAG-RECAPT-DATE-CONFLICT-R	28
00231	SAVE-ENVIR-DD	01419	TAG-RECAPT-TAG-NUMBER	29
00235	SAVE-ENVIR-DD-R	01177	TAG-RECAPT-TAG-NBR	30
00230	SAVE-ENVIR-MM	01675	TAG-RECAPTURE-DATA	31
00234	SAVE-ENVIR-MM-R	00706	TAG-TYPE-ERROR-R	32
00229	SAVE-ENVIR-VV	00186	TEMP-FILLER	33
00233	SAVE-ENVIR-VV-R	00727	TOT-COUNTERS	34
00194	SAVE-ETELDS	00627	TR-ANNULUS-DATA	35
00263	SAVE-INDIV-AGE	00701	TR-ENVIR-STA-DATA	36
00245	SAVE-SEQ-NMNR	00670	TR-INDIVIDUAL-DATA	37
00244	SAVE-SPECIES-KEY-R	00678	TR-REPLICATE-DATA	38
00283	SAVE-TAG-RECAPT-TAGNBR	00769	TR-SPECIES-DATA	39
00624	SEQ-NBR-THRU-SPEC-GRP	00588	TRANS-REC-FDR	40
01661	SPAWN-CONFLICT-R	01440	UPDATE-ERROR-MESSAGES	41
00684	SPE-SAMPLE-CNT-R	01435	UPDATE-MESSAGES	42
00687	SPE-SAMPLE-WGT-R	00213	WK-DIF	43
01082	SPE-SAMPLE-WGT-R	01361	WK-ENVIR-PRELOAD-DATA	44
00690	SPE-SUR-SAMPLE-CNT-R	01425	ZERO-VV	45
00693	SPE-SUR-SAMPLE-WGT-R			46
01088	SPE-SUR-SAMPLE-WGT-R			47
00680	SPE-TOTAL-CNT-R			48
00682	SPE-TOTAL-WGT-R			49
01077	SPE-TOTAL-WGT-R			50
01073	SPECIES-DATA			51
01473	SPECIES-DONT-MATCH-R			52
				53
				54
				55
				56
				57
				58
				59
				60
				61
				62
				63
				64
				65
				66
				67
				68
				69
				70
				71
				72
				73
				74
				75
				76
				77
				78
				79
				80
				81
				82
				83
				84
				85
				86
				87
				88
				89
				90
				91
				92
				93
				94
				95
				96
				97

